

# COOPER US, INC.

PRELIMINARY SITE ASSESSMENT AND SUPPLEMENTAL SITE ASSESSMENT REPORT NORTH AND SOUTH LANDFILLS CROUSE-HINDS FACILITY SYRACUSE, NEW YORK

25 MAY 2006

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Delta Project No. 0310025P



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Attachment 1:	Data	Usability	Summary	Report
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- Attachment 2: Analytical Data Summary Packages
- Attachment 3: Test Pit Logs, Soil Boring Logs and Groundwater Sampling Logs
- Attachment 4: Fish and Wildlife Impact Assessment
- Attachment 5 Wetland Delineation Report
- Attachment 6 Miscellaneous Correspondence
- Attachment 7: Ley Creek Sediment Sampling Data

#### 1.0 INTRODUCTION

#### 1.1 GENERAL

This report summarizes the activities performed and the results for the Preliminary Site Assessment (PSA) and Supplemental Site Assessment (SSA) of the Crouse-Hinds Facility North and South Landfills (hereinafter the "Site"), which are located in the Town of Salina and the City of Syracuse, New York, respectively. The PSA was conducted by InteGreyted International, LLC (InteGreyted), now known as Delta Environmental Consultants, Inc. (Delta), on behalf of Cooper Industries, Inc. (Cooper) in 2004. The SSA was conducted in 2005 and 2006 The PSA and SSA were conducted at the Site (Site No. 7-34-004) in accordance with the New York State Department of Environmental Conservation (NYSDEC) Order on Consent (Index No. D-7-0002-01-07), which became effective on 14 May 2004, and the NYSDEC-approved PSA and SSA Work Plans.

The objectives of the PSA were to: 1) collect data necessary to determine the presence or absence of hazardous wastes and/or hazardous substances in Site media; 2) collect data to aid in determining if the Site may or may not be a source of hazardous wastes and/or hazardous substance contamination to Ley Creek and/or Onondaga Lake; 3) collect sufficient data to determine whether or not a Remedial Investigation/Feasibility Study is warranted for the Site; and 4) collect the data necessary to perform Steps 1 through 2b of the Fish and Wildlife Impact Analysis (FWIA).

The objectives of the SSA were to: 1) address data gaps identified in the PSA Report dated 29 September 2004; 2) address comments provided by NYSDEC to Cooper in a letter dated 13 June 2005 as they relate to the 2004 PSA Report; 3) implement recommendations presented in the PSA Report; and 4) to determine if Interim Remedial Measures (IRMs) are necessary at the Site to address potential impacts to Ley Creek or Onondaga Lake.

#### 1.2 REPORT ORGANIZATION

This document presents the amended PSA Report, which addresses NYSDEC's June 2005 comments and includes analytical data and findings of the SSA. This report is organized in the following sections.

- Section 1 Introduction: Presents a summary of the Site location and physical setting, the Site background and history, results of previous investigations, and objectives of the PSA and SSA.
- Section 2 PSA and SSA Scope of Work: Describes the activities performed during the PSA and SSA, including the soils investigation, sediment investigation, surface water investigation, hydrogeologic investigation, fish and wildlife assessment, and wetland delineation.
- Section 3 PSA and SSA Results: Summarizes the results of the PSA and SSA investigation activities.
- Section 4 Summary and Conclusions: Summarizes the results of the PSA and SSA and presents conclusions supported by the data and recommendations for additional work, if any, which may be required to fill data gaps.

#### 1.3 SITE BACKGROUND

# 1.3.1 Physical Setting

The Site is located west of the operating Crouse-Hinds manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 04' 28" N, Longitude 076° 10' 13" W), in the Town of Salina and the City of Syracuse, Onondaga County, New York. The Site consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill). The North Landfill is approximately 21 acres in area and the South Landfill is approximately 15 acres in area. The Site and surrounding topography are generally flat to gently sloping. Figure 1-1 is a Site Location Map and Figures 1-2 and 1-3 present Site Plans of the North Landfill and South Landfill, respectively.

Waste-Treatment Galeville

Syracuse West, NY, Quadrangle (1990)



104 JAMESVILLE ROAD SYRACUSE, NY 13214 PHONE: (315) 445-0224 FAX: (315) 445-0793 MJS
CAD FILE

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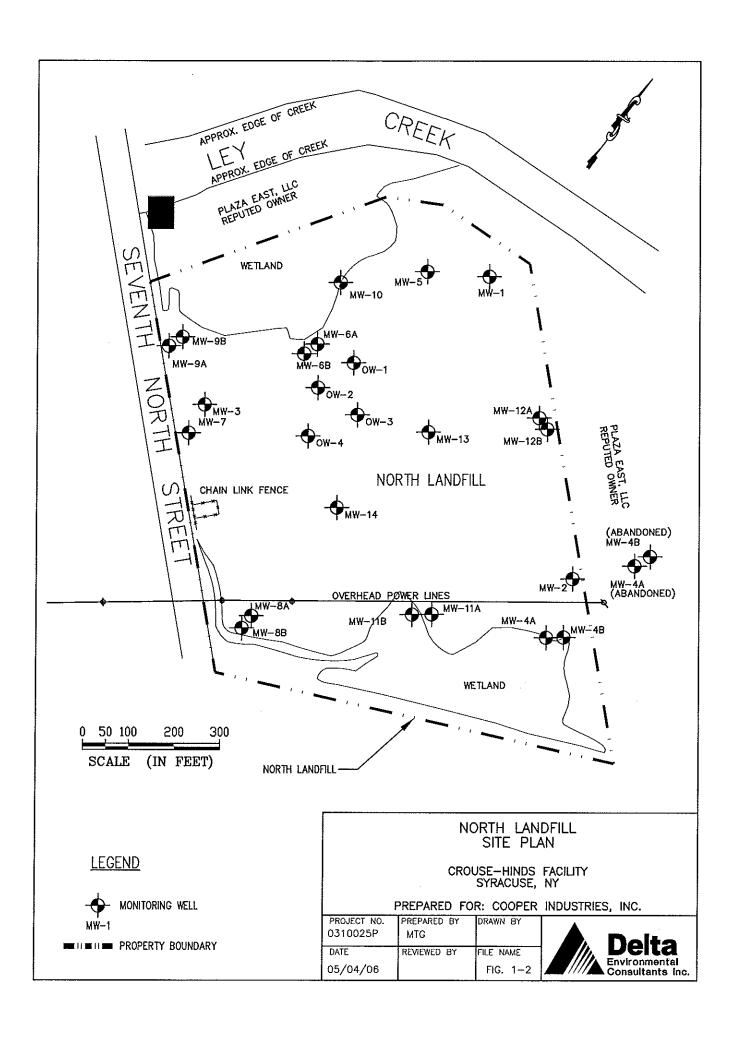
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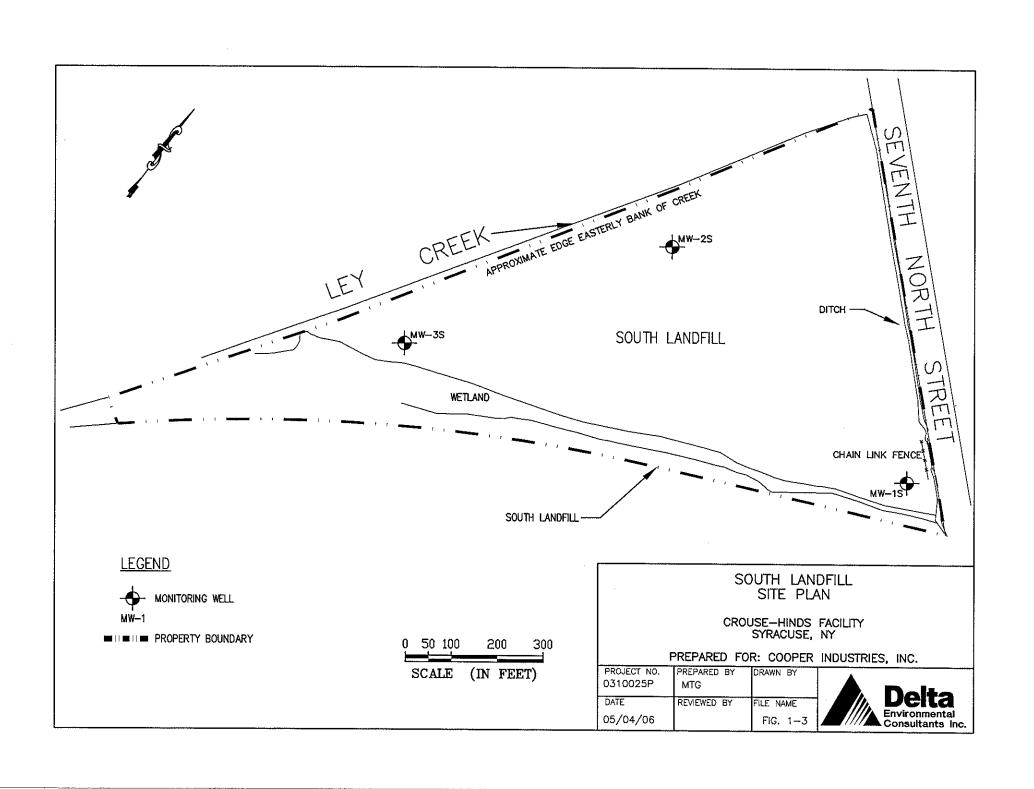
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# **Site Location Map**

North and South Landfills Crouse-Hinds Facility Syracuse, New York

FIGURE:





The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The Site is located in an area of mixed usage including light industrial/manufacturing, commercial and residential. Seventh North Street is oriented east-west and separates the two landfills that comprise the Site. Undeveloped woods and wetlands border the Site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street and residential development border the Site to the east. Undeveloped woods, wetlands and mixed commercial development border the Site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station and Interstate Highway I-81 are present to the west of the Site. The west and northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by East Plaza, LLC. The west boundary of the South Landfill is immediately adjacent to Ley Creek.

## 1.3.2 Site History

Cooper Crouse-Hinds Division, a division of Cooper Industries, Inc. operates an electrical products manufacturing facility located on the corner of Wolf and Seventh North Streets, Salina, New York. The Cooper property includes two inactive landfills, the North and South Landfills, which comprise the Site. The North Landfill reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from the mid-1950s through 1972. From 1972 through approximately 1979, this landfill was used for disposing approximately 85 cubic yards per day of non-putrescible solid wastes including foundry sand, floor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also reportedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983 approximately 40 cubic yards per day of industrial waste, from the Crouse-Hinds facility, including foundry sand and core butts were disposed of in the landfill. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The north landfill has been inactive since 1989. The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting

of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage and construction/demolition debris. Material placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1960 and 1963. The landfill has been inactive since 1969.

In 1984, the Site was listed as a "Class 3" New York State Inactive Hazardous Waste Disposal Site (No. 7-34-004) pursuant to Environmental Conservation Law 27-1301(2).

## 1.3.3 Previous Assessments and Investigations

A summary of the previous site investigations, which were conducted at the Site in the early 1980's are described below. Information referenced in this section has previously been provided as attachments to the NYSDEC-approved PSA Work Plan (dated 9 January 2004, and revised 28 April 2004) and is not provided in this report.

Phase I Report, Engineering Investigations and Evaluations at Inactive Hazardous Waste Sites, Crouse Hinds, Onondaga County, NY. Engineering-Science, Inc., June 1983.

The NYSDEC retained Engineering-Science, Inc. (ES) to conduct an engineering investigation and evaluation at the Site, which included the calculation of a Hazard Ranking System (HRS) score and the estimation of costs of any potential remedial actions. ES concluded in their report that there was insufficient information available to complete a final HRS score for the Site. Specifically, ES indicated that additional target information for air and groundwater would be required for generating a HRS score. Based on their evaluation, ES recommended an air monitoring survey to determine air quality. No additional groundwater investigation was recommended. Based on available information it was not clear whether any air quality monitoring was performed at the Site.

Support documentation contained in ES's Phase I Report provided additional information regarding historic operations at the Site as well as additional historic investigations, sampling events and analytical results conducted by others. Specifically, these

investigations included the installation of three groundwater-monitoring wells on the North Landfill and several sampling events conducted in 1980 and 1981 as part of an application for landfill permitting. A review of the findings presented in these reports indicated that groundwater samples collected at the perimeter of the North Landfill detected cyanide, phenols, several volatile organic compounds (VOCs) (i.e., benzene, toluene, xylene and chloroform) and some metals (i.e., cadmium, chromium and zinc) in groundwater samples. Limited groundwater monitoring at the South Landfill detected the presence of cyanide in groundwater samples.

Hydrogeologic Investigation, Crouse-Hinds Landfill, Syracuse, New York. Empire Soils Investigations, Inc. November 1983.

In the early 1980's, Crouse-Hinds retained Empire Soils Investigations, Inc. (a.k.a. Thomsen Associates) to complete a hydrogeologic investigation specific to the North Landfill. The purpose of this investigation was to determine groundwater flow direction in each of two distinct aquifers located beneath the landfill. These aquifers reportedly consisted of peat deposits located directly beneath the waste material and a sand and gravel unit located beneath the peat layer. A silt and clay unit ranging from 12 to 54 feet in thickness reportedly separates the two aquifers.

As part of the investigation, Thomsen Associates installed a total of 11 test borings, eight of which were completed as monitoring wells to supplement the existing monitoring well network (i.e., three wells installed by others). The monitoring wells included three locations installed in the shallow (i.e., peat) aquifer beneath the waste material and five locations installed in the deeper (i.e., sand and gravel) aquifer (**Note**: three of the deeper well locations were coincident with the shallow wells resulting in three nested pairs of wells). The three remaining soil borings were drilled west of the landfill; however, wells were not installed in these test borings.

According to the Thomsen Associates report, the soils encountered beneath the landfill consist of a peat layer ranging in thickness from 0.5 feet to 9 feet directly underlying the waste material. The peat layer is thicker to the west of the landfill and ranges from 10.5

feet to 17 feet in thickness. A silt and clay unit underlies the peat layer and ranges in thickness from 12 feet to 54 feet with the thickest portion of the unit in the southwestern portion of the landfill. A medium to coarse sand with varying amounts of gravel underlies the silt and clay. The sand and gravel was described as at least 20 feet thick, the lower extent of which was not encountered during drilling activities.

In order to determine the groundwater flow direction in each aquifer as well as to identify any seasonal variation in flow direction, water level measurements were collected from each well, new and existing, on a monthly basis from December 1982 through October 1983. The results of the water level measurements indicated a general flow direction in the shallow aquifer to the west and southwest toward Ley Creek. The water level measurements also indicated a minor seasonal variation in the eastern portion of the landfill during the winter months. This variation consisted of an easterly to southeasterly component of flow in the eastern portion of the landfill. Water level measurements in the deeper aquifer indicated a more significant seasonal variation in the sand and gravel. During the summer months, the general groundwater flow direction was to the east and during the winter months, the general groundwater flow direction was to the west. Thomsen Associates also noted that the deeper aquifer was under artesian conditions for the majority of the year.

Based on their investigation, Thomsen Associates concluded that any leachate produced by the landfill should flow through the peat layer toward Ley Creek. They further concluded that the vertical migration of any leachate generated would be inhibited by the silt and clay unit as well as the artesian conditions in the sand and gravel unit. For these reasons, Thomsen Associates concluded that the effect of the landfill on water quality should be restricted to the groundwater in the organic deposits.

Thomsen Associates also recommended the installation of additional monitoring wells based on the seasonal variations observed in both shallow and deep aquifers.

Specifically, Thomsen Associates recommended installing two new wells, one shallow well and one deep well, to further refine groundwater flow direction as well as for monitoring water quality. It does not appear that these wells were ever installed.

#### 2.0 PSA AND SSA SCOPE OF WORK

This section describes the tasks that were completed at the Site during the PSA and SSA. All activities were conducted in accordance with the NYSDEC-approved Work Plans.

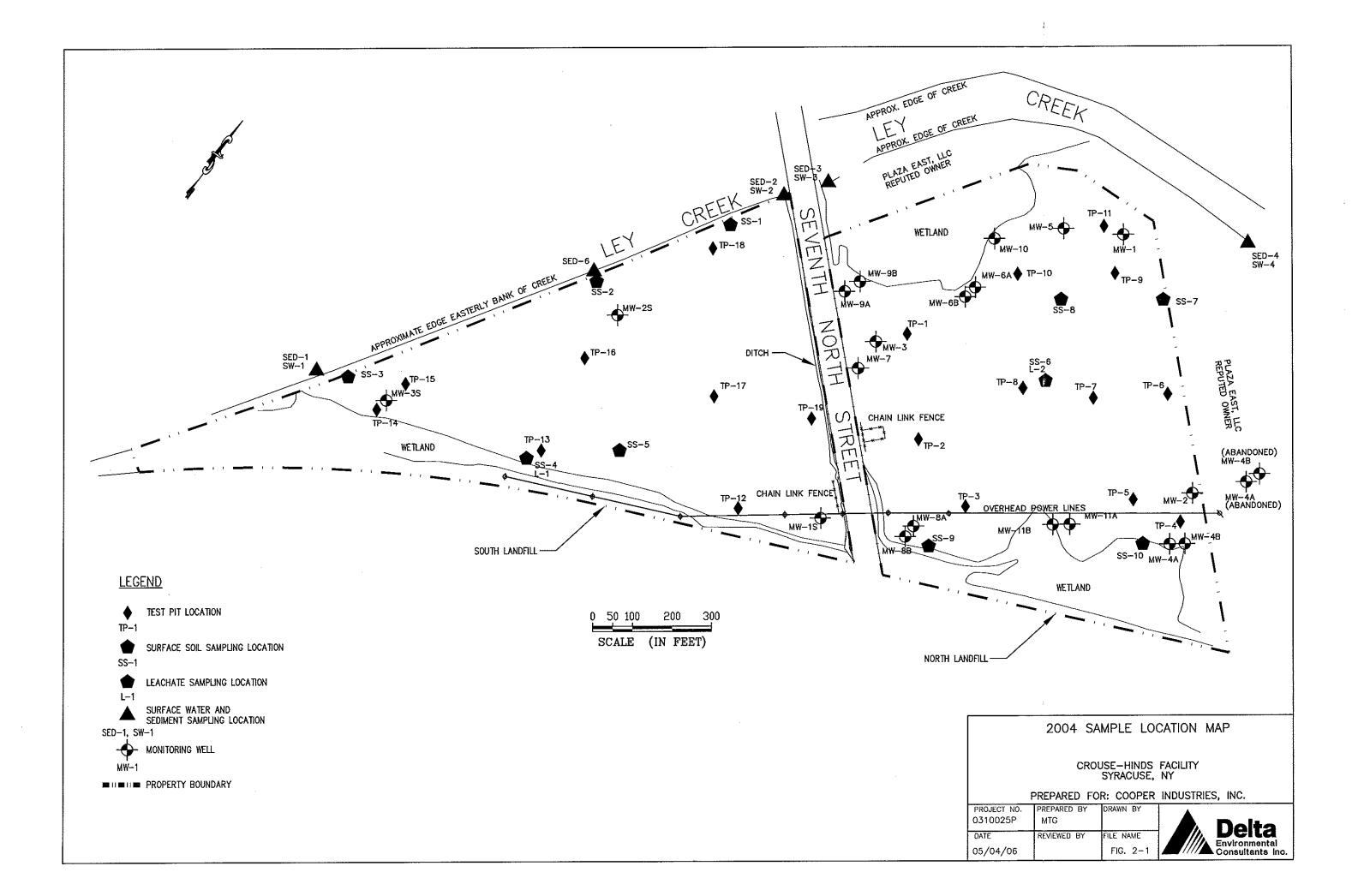
#### 2.1 SUBSURFACE SOIL INVESTIGATION

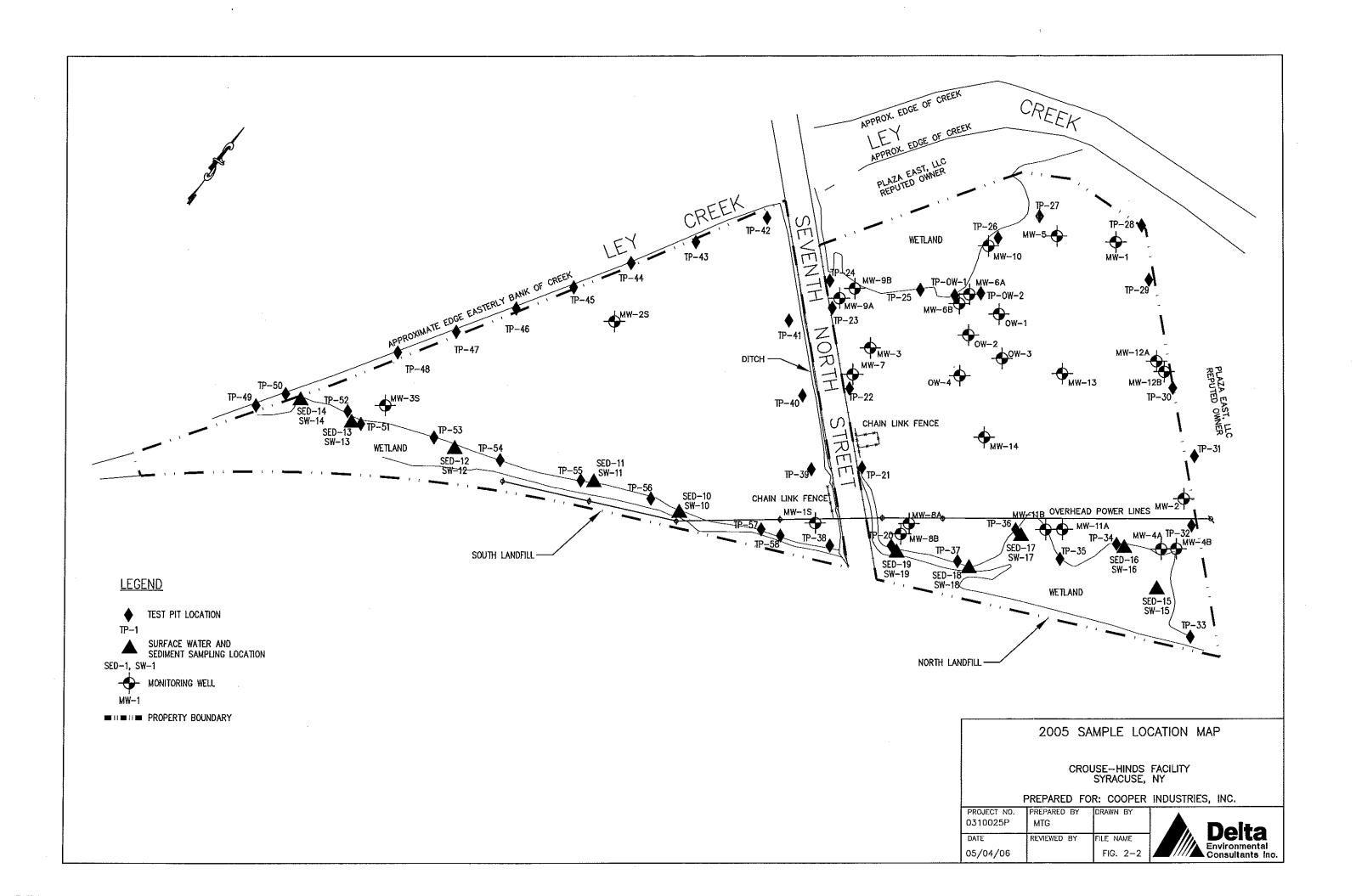
#### 2.1.1 Test Pit Excavations

On 7 and 8 June 2004, a total of 19 test pits (8 on the South Landfill and 11 on the North Landfill) were advanced to a maximum depth of fifteen feet below grade in fill material existing at both landfills to document the nature of fill and underlying soil (Figure 2-1). The majority of the test pits (13) were advanced at or near the estimated perimeter of the waste mass in each landfill; however, 6 test pits were also advanced within the interior areas of each landfill.

Between 24 and 27 October 2005, a total of 41 test pits (21 on the South Landfill and 20 on the North Landfill) were advanced to a maximum depth of 20.5 feet below grade along the perimeter of each landfill to delineate the extent of fill materials at both landfills and to document the nature of fill and underlying soil (Figure 2-2). Test pits were advanced in each location to the base of the fill materials as conditions allowed. Test pit excavations were not extended beyond the known property boundaries and/or below the groundwater surface. Following completion of each test pit, the outer limits of the fill in each test pit were staked and flagged in the field pending location by survey.

During excavation work, Delta's onsite inspector screened all soils with a photoionization detector (PID) and evaluated the soils for odors, staining, and discoloration. Following removal, excavated material was placed back in each excavation and the area was regraded.





#### 2.2 HYDROGEOLOGIC INVESTIGATION

## 2.2.1 Monitoring Well Survey

On 20 April 2004, a survey of all existing monitoring wells located on the Site was conducted to verify the condition of the wells and to determine if the wells were viable, and to determine what, if any, modifications/upgrades were necessary to secure the wells and ensure their future viability. As part of the survey, a detailed inspection of each well was conducted, which included evaluation of the visible well casing and any protective casings. The integrity of the upper concrete seals was also evaluated. Each well was also sounded with an electronic water level indicator to determine depth to groundwater, depth to well bottom and depth of sediment. These measurements were then compared with available well logs to evaluate conditions at each well. Wells were also evaluated for the presence of floating free-phase product, sheens and odors.

The findings of the survey indicated that all existing wells, with the exception of wells W-4A and W-4B, located on the north landfill (Figure 2-1), were usable for the PSA. Wells W-4A and W-4B were determined to be unusable during the PSA due to the presence of compromised concrete seals, which had heaved out of the ground, and due to the presence of significant residual material (up to 20 feet) which had accumulated in the wells. Delta recommended that these two wells be abandoned during the PSA and reinstalled at an onsite location (**Note**: These wells were located in an area that was off of the site proper).

#### 2.2.2 Well Abandonment

On 11 June 2004, monitoring wells W-4A and W-4B were abandoned by over drilling the wells with hollow stem augers (HSA) and pressure grouting the boreholes from the bottom to grade as the augers were withdrawn from the boreholes of each former well. On 8 November 2005, monitoring well MW-5 was also abandoned utilizing these same abandonment techniques. All abandonment activities were conducted in accordance with the generally accepted well abandonment guidance established by NYSDEC.

## 2.2.3 Monitoring Well Installations

On 6 through 11 June 2004, seven monitoring wells, consisting of three shallow and deep well pairs (MW-4A and MW-4B, MW-9A and MW-9B, MW-11A and MW-11B) and one shallow well (MW-10) were installed at the Site (Figure 2-1). On 2 through 8 November 2005, five additional monitoring wells, consisting of one shallow and deep well pair (MW-12A and MW-12B), two shallow wells (MW-13 and MW-14), and one deep well (MW-5) were installed at the Site (Figure 2-2). Wells MW-4A and MW-4B were replacements for wells W-4A and W-4B, which were abandoned. These wells were located to the southeast of their former locations in an area that was anticipated to provide upgradient groundwater coverage for the Site. Well MW-5 was a replacement for well MW-5, which was abandoned due to concerns regarding well seals. This well was relocated approximately 20 feet east of its original location. Well pair MW-9A and MW-9B was installed in the southwest corner of the Site to provide groundwater flow and quality data in the area between the north landfill and Ley Creek. Well MW-10 was installed along the west side of the Site to provide groundwater flow and quality data along the edge of the Site in the area between the landfill and Ley Creek. Well pair MW-11A and MW-11B was installed along the eastern side of the Site to provide groundwater flow and quality data in an area where groundwater data were previously not available. Well pair MW-12A and MW-12B was installed along the northern border of the north landfill to supplement groundwater flow data in an area where there was limited hydrogeologic coverage. Wells MW-13 and MW-14 were installed in the central area of the north landfill to establish groundwater conditions in this area of the Site where shallow groundwater flow data was not available

Monitoring well borings were installed to a maximum depth of approximately 68 feet below grade using 4.25-inch inside diameter (ID) HSA drilling techniques. Using a split-spoon sampler, soil samples were collected continuously from grade to the depth of completion in all deep well borings (MW-4B, MW-9B, MW-11B, and MW-12B), and at the locations of the unpaired shallow wells (MW-10, MW-13, and MW-14). Delta's onsite geologist logged and classified all soil samples, screened all soils with a PID, and evaluated the soils for odors, staining, and discoloration.

Upon completion of each well boring, monitoring wells, which were constructed of two-inch-diameter PVC riser and 10 feet of 0.01-inch slot PVC well screen were installed in each boring. The well screen in shallow wells was installed to straddle the shallow water table. The well screen in the deep wells was installed in the sand and gravel unit. A sand pack was installed around the well screen and extended one to two feet above the top of the well screen. A one-foot-thick bentonite pellet seal was placed above the sand pack and a cement/bentonite grout was utilized to backfill the remainder of the annulus to grade. The wells were completed with steel protective guard pipes. Following installation, reference points were marked on the top of the well casing to allow for surveying. All generated wastes (i.e., soil cuttings) were staged on, and covered with, plastic sheeting pending proper management, as needed.

## 2.2.4 Monitoring Well MW-6A Area Evaluation

On 24 October and between 2 and 3 November 2005, two downgradient test pits (TP-OW-1 and TP-OW-2) and four temporary upgradient observation wells (OW-1 to OW-4) were installed at the north landfill, respectively (Figure 2-2). The observation wells and test pits were installed in the area surrounding monitoring well MW-6A in an effort to determine the source and extent of free phase floating product, which had been observed in this well during the 2004 PSA and previous site investigation activities.

Observation well borings were installed in the area upgradient of monitoring well MW-6A at distances of approximately 100 feet on center. Soil samples were collected continuously from grade to depth-of completion, logged, and field screened with a PID during boring installation. Upon completion of each boring, observation wells were constructed in each boring per the construction details presented in Section 2.2.3 (see above).

Test pits were installed in the area immediately downgradient of monitoring well MW-6A near the edge of the mapped wetland area per the installation details presented in Section 2.1.1 (see above). Following installation of the test pits, the test pits were left open and groundwater in the test pits was checked for the accumulation of petroleum free

product on the water surface for a period of twenty-four hours. Following this evaluation, the test pits were backfilled to grade with excavated materials.

Following installation and development, the observation wells and monitoring well MW-6A were checked with an electronic petroleum interface probe and disposable bailers for the accumulation of petroleum free product for a period of four months (21 November and 19 December 2005, 7 February, 1 March, and 24 March 2006).

## 2.2.5 Well Development

Low-flow purging and development techniques were used to develop each of the newly installed monitoring wells and observation wells. Each well was developed until the turbidity of the water was below 50 NTU, and field parameters (pH, conductivity, and temperature) stabilized. Development water from the wells was checked periodically for the presence of a sheen or free product. Development water from the shallow aquifer was discharged directly to the ground surface; whereas, development water from the deep aquifer was containerized. Following receipt of groundwater analytical data, all containerized groundwater from the deep monitoring wells was disposed of through Cooper's waste water treatment facility.

#### 2.2.6 Groundwater Elevation Monitoring

Groundwater elevation data was collected from all onsite monitoring wells on 23 November 2004, 28 February 2005, and 26 May 2005 to assess seasonal groundwater fluctuations across the Site. Depths to groundwater were measured from the top of the PVC well casing using an electronic water level indicator. Groundwater elevations were calculated and groundwater contour maps were constructed for the shallow and deep aquifer monitoring wells.

#### 2.3 SAMPLING AND ANALYSIS

Environmental sampling during the PSA and SSA was conducted in accordance with the Sampling and Analysis Plan (SAP), which was included in the NYSDEC-approved Work

Plan. Samples collected during the PSA and SSA were analyzed by Severn Trent Laboratories, Inc. (STL), which is an NYSDOH ELAP-certified laboratory that participates in the contract laboratory program (CLP). Laboratory analytical procedures adhered to NYS ASP 2000 methodologies and protocols.

Analytical results were reported by STL using NYSDEC ASP 2000 Category B deliverables (with the exception of TCLP analyses). Site-specific quality assurance/quality control (QA/QC) samples, including matrix spike (MS)/matrix spike duplicate (MSD) samples and field duplicates were collected and analyzed, as appropriate.

## 2.3.1 Test Pit Excavation Soil Sampling

As part of the PSA sampling activities, one composite soil sample per test pit (TP-1 to TP-19) was selected for laboratory analysis. Soil samples were selected based on visual observations, odors and PID screening data. Soil samples were analyzed for toxic compound list (TCL) VOCs (USEPA Method 8260), TCL semi-volatile organic compounds (SVOCs) (USEPA Method 8270), target analyte list (TAL) metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). Additionally, ten soil samples from mainly interior area test pits (TP-5-WC, TP-6-WC, TP-7-WC, TP-8-WC, TP-9-WC, TP-10-WC, TP-13-WC, TP-14-WC, TP-16-WC, and TP-17-WC) were collected and analyzed for RCRA waste characterization parameters by the Toxicity Characteristics Leaching Procedure (TCLP). Analyses included TCLP VOCS, TCLP SVOCs, TCLP Pesticides/Herbicides, TCLP Metals, ignitability, corrosivity, and reactivity (H2S and HCN).

As part of the SSA sampling activities, 19 composite soil samples (TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-38, TP-40, TP-42, TP-44, TP-45, TP-48, TP-49, TP-53, TP-55, TP-58, and TP-OW-2) were selected for laboratory analyses from the 41 test pits installed (approximately 1 per every 2 test pits). Soil samples were selected based on visual observations, odors, staining, PID screening data, and location. Soil samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA

Method 8270), and a limited suite of metals (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, and zinc).

## 2.3.2 Surface Soil Sampling

Delta inspected the landfills to document the presence of drainage swales and to estimate if significant leachate releases and/or affected soil and sediment were present. Based on these observations, ten surface soil samples (SS-1 to SS-10) were collected from a depth interval of 0 feet to 0.5 feet below grade and submitted for laboratory analysis (Figure 2-1). Surface soil samples SS-1, SS-2, and SS-3 were collected along the west side of the south landfill as it borders Ley Creek to characterize soil conditions along the western edge of the landfill. Surface soil sample SS-4 was collected from a wet area located along the eastern flank of the south landfill where ponded water had collected and/or was leaching from the landfill. Surface soil sample SS-6 was collected from a wet area located near the center of the north landfill where water was ponding and then draining in a swale to the west. Surface soil samples SS-5 (south landfill), SS-8, SS-9, and SS-10 (north landfill) were collected to evaluate soil conditions in an areas where fill materials were exposed at the surface of the south and north landfills. Surface soil sample SS-7 was collected along the northern border of the north landfill to assess soil conditions in a drainage area located near the base of the north landfill. Soil samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082).

#### 2.3.3 Leachate Sampling

Delta inspected the landfills to document the presence of drainage swales and to estimate if leachate releases were present. Based on these observations, while no substantial leachate seeps were noted at either landfill, two leachate/surface water samples (L-1 and L-2) were collected (Figure 2-1). Sample L-1 was collected from a wet area located along the eastern flank of the south landfill where ponded water had collected and/or was leaching from the landfill. This sample was co-located with soil sample SS-4. Sample L-2 was collected from a wet area located near the center of the north landfill where water

was ponding and then draining in a swale to the west. This sample was co-located with soil sample SS-6. Leachate samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total phenols.

## 2.3.4 Groundwater Sampling

On 30 June and 1 July 2004, groundwater samples were collected from each of the 19 existing monitoring wells located onsite (Figure 2-1). Prior to sampling, each monitoring well was purged a minimum of three well volumes using low-flow purging techniques. Following purging, groundwater samples were collected directly from dedicated low flow sampling tubing. Field parameters (pH, temperature, conductivity, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity) and groundwater elevation data were collected from each monitoring well prior to purging (water level measurement) and during sampling (field parameters). Groundwater samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total recoverable phenolic compounds (USEPA Method 420.1).

On 23 November 2004, a groundwater sample was collected from monitoring well MW-5 to verify groundwater-sampling results from the PSA sampling event. Sampling techniques utilized were the same as those utilized during the July 2004 sampling event. The groundwater sample was analyzed for total recoverable phenolic compounds (USEPA Method 420.2).

On 21 and 22 November 2005, groundwater samples were collected from each of the 23 existing monitoring wells located onsite (Figure 2-2). Sampling techniques utilized were the same as those utilized during the July 2004 sampling event. Groundwater samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), total recoverable phenolic compounds (USEPA Method 420.2), and a limited suite of metals (cadmium, chromium, lead, selenium and zinc).

On 4 April 2006, a groundwater sample was collected from monitoring well MW-1 (north landfill) to address inconsistencies observed in the groundwater analytical data for total recoverable phenolic compounds between the 2004 and 2005 groundwater sampling events. The additional sampling was conducted to determine if the concentrations of total recoverable phenolic compounds were more consistent with the 2004 or 2005 analytical data. Sampling techniques utilized were the same as those utilized during the November 2005 sampling event. Groundwater samples were analyzed for TCL SVOCs (USEPA Method 8270) and total recoverable phenolic compounds.

## 2.3.5 Surface Water Sampling

On 25 October 2005, ten surface water samples were collected from areas of open water and drainage ditches, which were located on the east side of the north landfill (SW-15 to SW-19) and the east side of the south landfill (SW-10 to SW-14) to assess upstream and downstream surface water quality in these areas of the Site (Figure 2-2). Surface water samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), total recoverable phenolic compounds (USEPA Method 420.1), and a limited suite of metals (cadmium, chromium, lead, nickel, zinc, magnesium, and calcium).

#### 2.3.6 Sediment Sampling

On 25 October 2005, ten sediment samples were collected from areas of open water and drainage ditches, which were located on the east side of the north landfill (SED-15 to SED-19) and the east side of the south landfill (SED-10 to SED-14) to assess upstream and downstream sediment quality in these areas of the Site (Figure 2-2). **Note**: these samples were co-located at the surface water sampling locations noted in Section 2.3.5 (see above). Sediment samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL Metals, PCBs (EPA Method 8082) and total organic carbon (TOC) utilizing the Lloyd Kahn method.

#### 2.4 LEY CREEK SAMPLING

On 9 June 2004, four surface water samples (SW-1 to SW-4) and five sediment samples (SED-1 to SED-4, and SED-6) were collected in Ley Creek at locations proximal to the Site (Figure 2-1). Sampling locations were established at the north and south boundaries of each landfill based on field observations and availability of surface water and sediment. Sediment sample location SED-6 was not included as part of the surface water or the sediment sampling scope of work, which was included as part of the NYSDEC-approved PSA Work Plan. However, a sediment sample was collected at this location in place of the sediment sample that was proposed for collection near a reported storm sewer, which was never located during the PSA site reconnaissance (See Section 2.5). Surface water and sediment samples were analyzed for TCL VOCs (USEPA Method 8260), TCL SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). Surface water samples were also analyzed for total recoverable phenolic compounds (USEPA Method 420.1). Additionally, sediment samples were analyzed for TOC..

In addition to the sampling points, the PSA Work Plan proposed the installation of two stream gauges in Ley Creek, one at the northern boundary of the north landfill and one at the southern boundary of the south landfill. However, observations indicated that there were no locations along Ley Creek where the gauges could be located on Cooper property and properly anchored. All accessible sites were off of the Site and/or in areas where setup of gauges was not possible. Therefore, Delta requested that NYSDEC allow for available stream gauging data from a gauging station located downstream of the Site to be used to supplement the stream gauging data. On 16 July 2004, NYSDEC's project manager indicated acceptance of Delta's proposed modification.

#### 2.5 STORM SEWER ASSESSMENT

During site reconnaissance activities, conducted during the week of 31 May 2004, Delta attempted to locate an old storm sewer that was reportedly used in the past to discharge process water on and/or near the Site. Reconnaissance performed across the Site was.

unable to locate this feature. In addition, facility personnel searched available records including site plans and as-built plans in an effort to locate information regarding the location of this reported feature; however, facility personnel were unable to locate any records related to this reported feature. Since the feature was unable to be located in the field or on facility drawings, the, sampling proposed in the PSA Work Plan was not conducted.

#### 2.6 SURVEYING

Upon completion of all field tasks, the horizontal and vertical locations of all soil borings, monitoring wells and observation wells were surveyed by a New York State (NYS) licensed land surveyor. Vertical elevations were recorded to the nearest 0.01-foot. Top-of-PVC casing elevations for each monitoring and observation well were also recorded to the nearest 0.01-foot to establish water table elevations and groundwater flow direction. Sampling points including; surface water, surface soil, sediment, and leachate were also surveyed and referenced to an onsite fixed datum point. The location of test pits and wetland boundaries were flagged in the field and were also located by survey and referenced to established onsite datum points.

#### 2.7 FISH AND WILDLIFE ASSESSMENT

During June and July 2004, Delta conducted Step 1 of NYSDEC's Fish and Wildlife Impact Analysis (FWIA) process for the Site as outlined in the NYSDEC guidance document entitled, "Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites", dated October 1994.

#### 2.8 WETLAND DELINEATION

In November 2005, wetland delineation was conducted across the Site in an effort to define the extent of wetlands onsite. Wetland delineation tasks included assembling and reviewing existing data (maps, soil survey, and air photographs) regarding wetlands and wetland features and conducting field sampling activities to verify Site conditions. Field sampling was conducted to collect data regarding vegetation, soils, and hydrology according to the criteria set forth in the

1987 Corps of Engineers Wetlands Delineation Manual, Classification of Wetlands and Deepwater Habitats of the United States, and the 1995 NYSDEC Freshwater Wetlands Delineation Manual. Wetlands identified in the field and in reference sources were flagged for location by survey.

#### 3.0 PSA RESULTS

This section describes the results of the PSA and SSA investigation activities and presents the validated analytical data for the samples, which were collected as part of the PSA and SSA.

## 3.1 DATA EVALUATION

Following receipt, analytical data were checked for completeness and accuracy; and were validated by Mr. Donald Anné, a NYSDEC-approved data validation chemist (Note: Groundwater data from the re-sampling of well MW-1 in April 2006 was not validated). Following validation, a Data Usability Summary Report (DUSR) was prepared for each data package. DUSR's are presented in Attachment 1. Analytical data summary reports are presented in Attachment 2. Analytical backup reports (laboratory QA/QC, chromatographs, etc.) are not presented as part of this report; however, they will be made available upon request.

Analytical data for test pit and surface soil samples were compared to NYSDEC TAGM 4046 recommended soil cleanup objectives. Waste characterization data for test pit samples was compared to USEPA's Maximum Concentration of Contaminants for the Toxicity Characteristic, as defined by TCLP.

Groundwater and surface water analytical data were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS) ambient water quality standards and guidance values, which are derived from 6 NYCRR Parts 700-705, Water Quality Regulations. **Note:** Where applicable (2005 SSA sampling data) surface water quality standards were calculated utilizing calculated water hardness, which was based on calcium and magnesium concentrations.

Sediment analytical data were compared to NYSDEC's Division of Fish, Wildlife and Marine Resources Technical Guidance for Screening Contaminated Sediments. Where applicable sediment screening criteria were recalculated utilizing TOC data (average

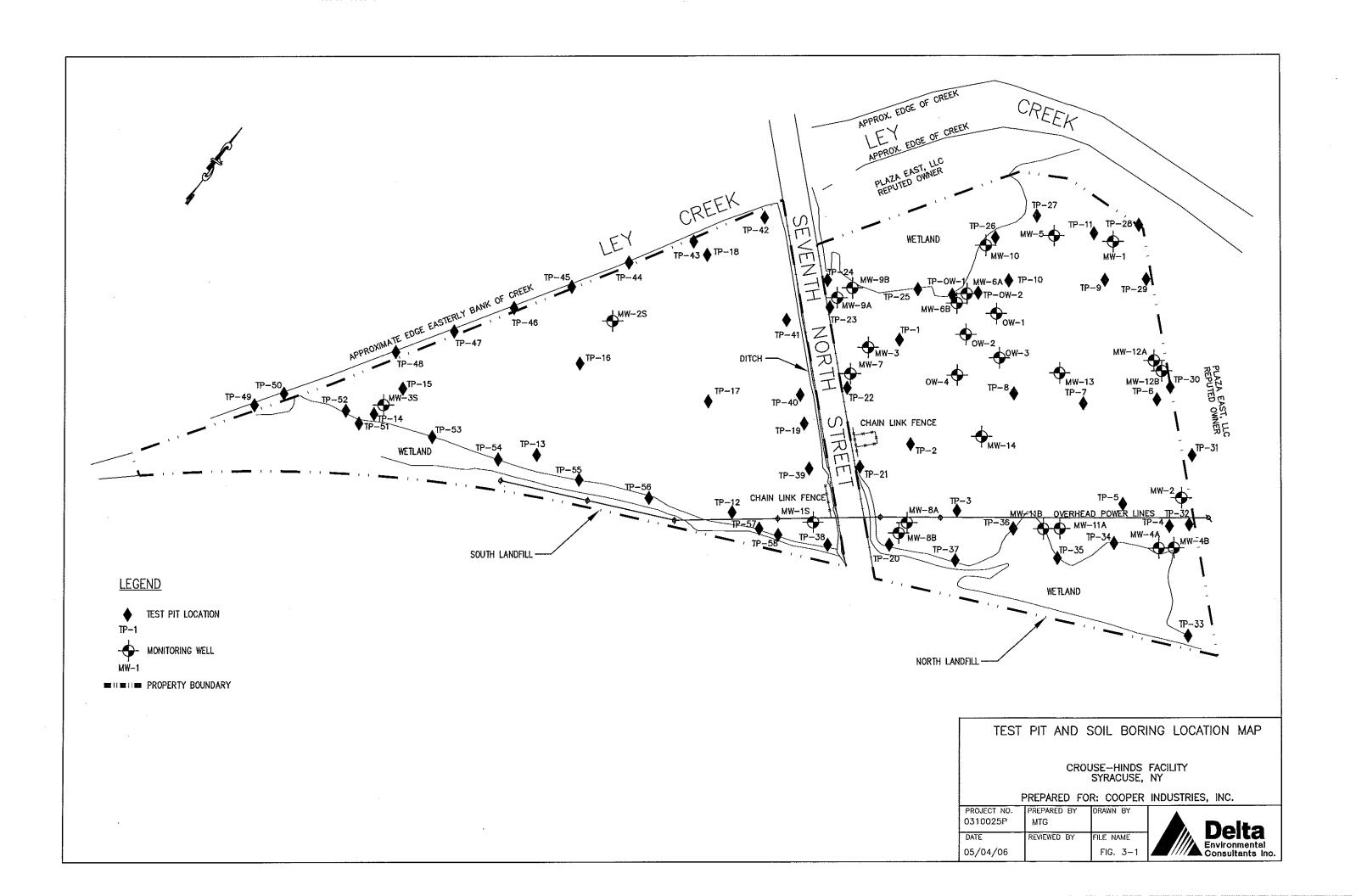
TOC concentrations) as per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

## 3.2 SOIL INVESTIGATION RESULTS

Observations and field screening conducted during the installation of 60 test pits, 11 monitoring wells, and 4 observation wells across the Site indicated the following (Figure 3-1). Test pit logs and soil boring logs are presented in Attachment 3.

# 3.2.1 North Landfill Test Pits

- ranged in depth from 6 feet to 17.5 feet below grade. Generally, material encountered in these test pits was industrial fill, which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris. The foundry sand was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). Additionally, in test pits that were located along the northern border of the landfill (TP-28 to TP-33) there was evidence of a greater amount of general refuse (glass, bottles, plastic debris, paper, cans, etc.) mixed in with the industrial materials in distinct layers that were observed in the upper extent of these test pits. PID readings in the test pits ranged from 1 ppm to 27 ppm in all test pits, with the exception of those in test pit TP-4, which were up to 237 ppm. Elevated PID readings in TP-4 appeared to be related to the presence of petroleum-based waste materials, which were observed within the test pit debris and on the water surface (petroleum sheen) in the test pit.
- Fill material was encountered from grade to depths of up to 17 feet below grade in test pits located across the north landfill. Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover.
   Thickness of the fill material across the landfill varied from 3 feet to 17 feet.
- The thickness of fill observed across the southern half of the north landfill (TP-1, TP-2, TP-3, TP-8, TP-20 to TP-26, TP-36, TP-37, TP-0W-1, and TP-0W-2)



- ranged between 3 feet (TP-8) and 17 feet (TP-36 and TP-37). Materials underlying the majority of fill across this portion of the landfill generally consisted of peat deposits. Clay was observed underlying fill materials in only one test pit (TP-8).
- The thickness of fill material observed beneath the northern half of the north landfill (TP-4 to TP-7, TP-9 to TP-11, and TP-27 to TP-35) varied from 9 feet to 16 feet. Materials underlying the majority of fill across this portion of the landfill generally consisted of peat deposits; however, sand and gravel deposits were observed beneath the fill materials in several test pits (TP-5 to TP-7) located in the northeast area of the landfill.. In test pits TP-5 and TP-9, the extent of the fill was not determined due to equipment limitations on the depth of excavation. In these excavations the thickness of fill was greater than 15 feet.
- Test pit excavations across and along the property boundary of the north landfill and to the edges of mapped onsite wetlands determined that the limits of fill material located onsite extended up to the Site's property boundary and up to mapped wetland boundaries. Observations also indicated that fill materials extended beyond the Site's property boundaries to the north and west, and into mapped wetland features located on the east and west sides of the landfill. The presence of railroad tracks to the east and Seventh North Street to the south appears to have limited the extent of fill materials in these areas to within the Site's property boundaries. The thickness of fill materials at the property boundaries and edges of wetlands ranged from 4 feet (TP-35) to 17 feet (TP-36) with the average thickness being approximately 9 feet.
- Test pit excavations across the north landfill were able to define the vertical limits of fill materials located across the majority of the landfill. Fill thickness was found to be greater across the northern half of the landfill, where mounding of fill is evident, versus the southern half of the landfill, where topography is flat.
- Observations indicated that the natural materials underlying the fill material generally consisted of continuous deposits of peat and/or sand and gravel. The occurrence and nature of these deposits was similar to those identified during previous hydrogeologic investigations at the Site (See Section 1.3.3) and are

consistent with those deposits which comprise the shallow aquifer beneath the Site. Groundwater was also encountered in numerous test pits.

## 3.2.2 South Landfill Test Pits

- Test pits installed across the south landfill (TP-12 to TP-19 and TP-38 to TP-58) ranged in depth from 4.5 feet to 20.5 feet below grade. Material encountered in these test pits was either industrial fill (TP-12, TP-16, TP-38, TP-39, TP-50 to TP-52, TP-57, and TP-58), which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris, or municipal fill (TP-13, TP-14, TP-15, TP-17, TP-18, TP-19, and TP-47), which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse, or a mixture of both fill types (TP-40 to TP-46, TP-48, TP-53 to TP-56. The foundry sand contained in the industrial fill was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). PID readings in the test pits, which contained the industrial fill generally ranged from 10 ppm to 17 ppm. The municipal fill material had PID readings ranging from 1 ppm to 7 ppm, and did not exhibit odors typically associated with petroleum-impacted materials.
- Fill material (industrial and commercial) was encountered from grade to depths of greater than 20 feet below grade in test pits located across the south landfill. Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover. Thickness of the fill material across the landfill varied between 0 feet and greater than 19 feet. The thickness of fill materials observed in the central area of the landfill (TP-13, TP-16, and TP-17) was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter (TP-12, TP-14, TP-15, TP-18, TP-19, and TP-38 to TP-58) of the landfill (average of 8 feet). Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19. In test pit TP-16, the extent of the fill was not determined due to equipment limitation on the depth of excavation. In this excavation the thickness of fill was greater than 15 feet.

- Test pit excavations across and along the property boundary of the south landfill and to the edges of mapped onsite wetlands and streams determined that the limits of fill material located onsite extended close to (within 5 feet to 10 feet) the Site's northern property boundary and up to mapped wetland and stream boundaries. Observations also indicated that fill materials extended into mapped wetland features located on the east and south sides of the landfill and to the edge of Ley Creek to the west. The presence of railroad tracks to the east, roads (Seventh North Street) to the north, and Ley Creek to the west appears to have limited the extent of fill materials in these areas to within the Site's property boundaries. The thickness of fill materials at the property boundaries and edges of wetlands ranged from 0 feet (TP-49) to 20.5 feet (TP-39) with the average thickness being approximately 8 feet.
- Test pit excavations across the south landfill were able to define the vertical limits
  of fill materials located across the majority of the landfill. Observations indicated
  that the natural materials underlying the fill material generally consisted of
  continuous deposits of peat. The occurrence and nature of these deposits was
  similar to those which comprise the shallow aquifer beneath the Site.
   Groundwater was also encountered in numerous test pits.

# 3.2.3 Soil Borings

Soil borings installed in the deep monitoring well borings (MW-4B, MW-9B, MW-11B, MW-12B) and shallow well borings (MW-10, MW-12A, MW-13, MW-14, and OW-1 to OW-4) across the north landfill confirmed the presence of several distinct geologic units and aquifers beneath the Site, which had been identified by others during previous hydrogeologic investigations at the Site (See Section 1.3.3). The units observed during the installation of these borings were consistent with those deposits, which comprise the shallow and deep aquifers beneath the Site.

Soil borings indicated the presence of up to 14 feet of industrial fill material (foundry sand, core butts, and miscellaneous debris) overlying 6 feet to 11.5 feet of peat deposits that were mixed with miscellaneous amounts of sand. Shallow groundwater was

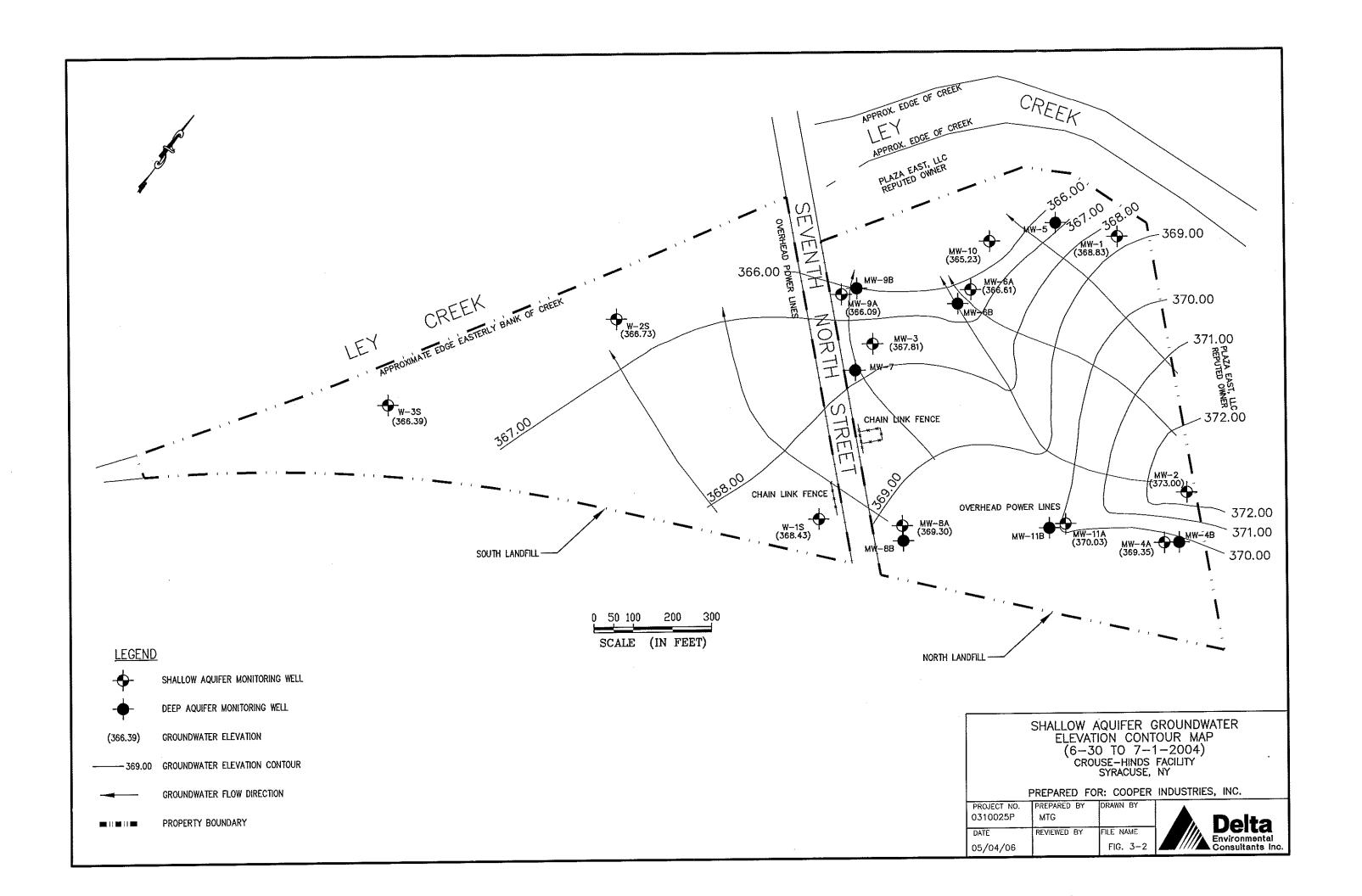
encountered in this unit. Materials underlying the peat layer consisted of 4 feet to 43 feet of a mixture of silt and clay, which was underlain by a water-bearing sand and gravel unit. The silt and clay unit appeared to be a confining layer between the upper peat layer and the lower sand and gravel deposits.

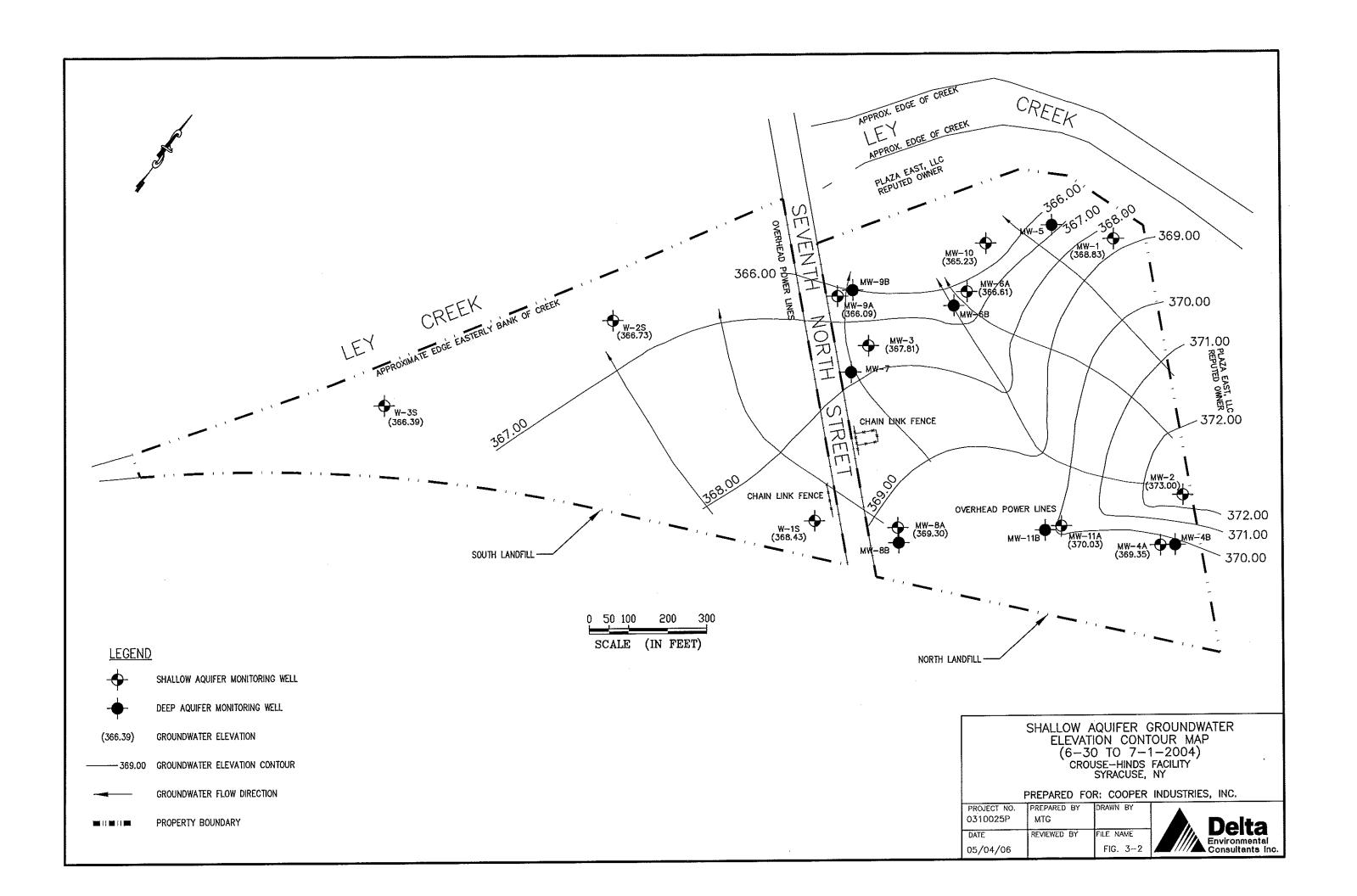
#### 3.3 HYDROGEOLOGIC INVESTIGATION RESULTS

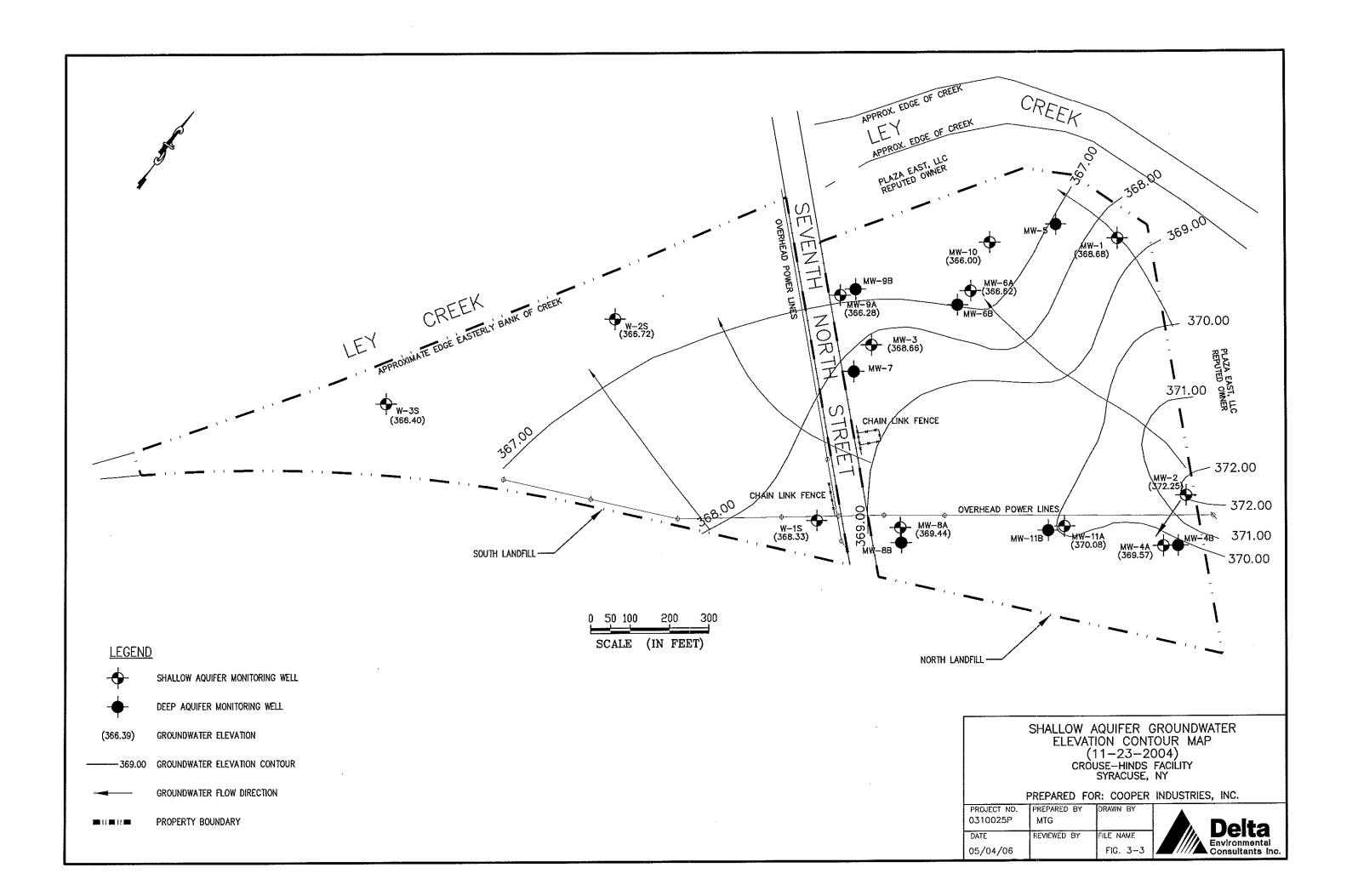
Previous hydrogeologic investigations at the Site encountered two groundwater flow systems beneath the north landfill and one beneath the south landfill (**Note:** the presence of the second flow system beneath the south landfill was not confirmed because deep borings and wells were not installed across the landfill). These findings were confirmed by wells which were installed during the PSA and SSA. The two groundwater flow systems which exist beneath the Site consist of a shallow water table aquifer, which is located in the peat and fill deposits, and a deep confined groundwater flow system in the sand and gravel deposits. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness and is under artesian conditions.

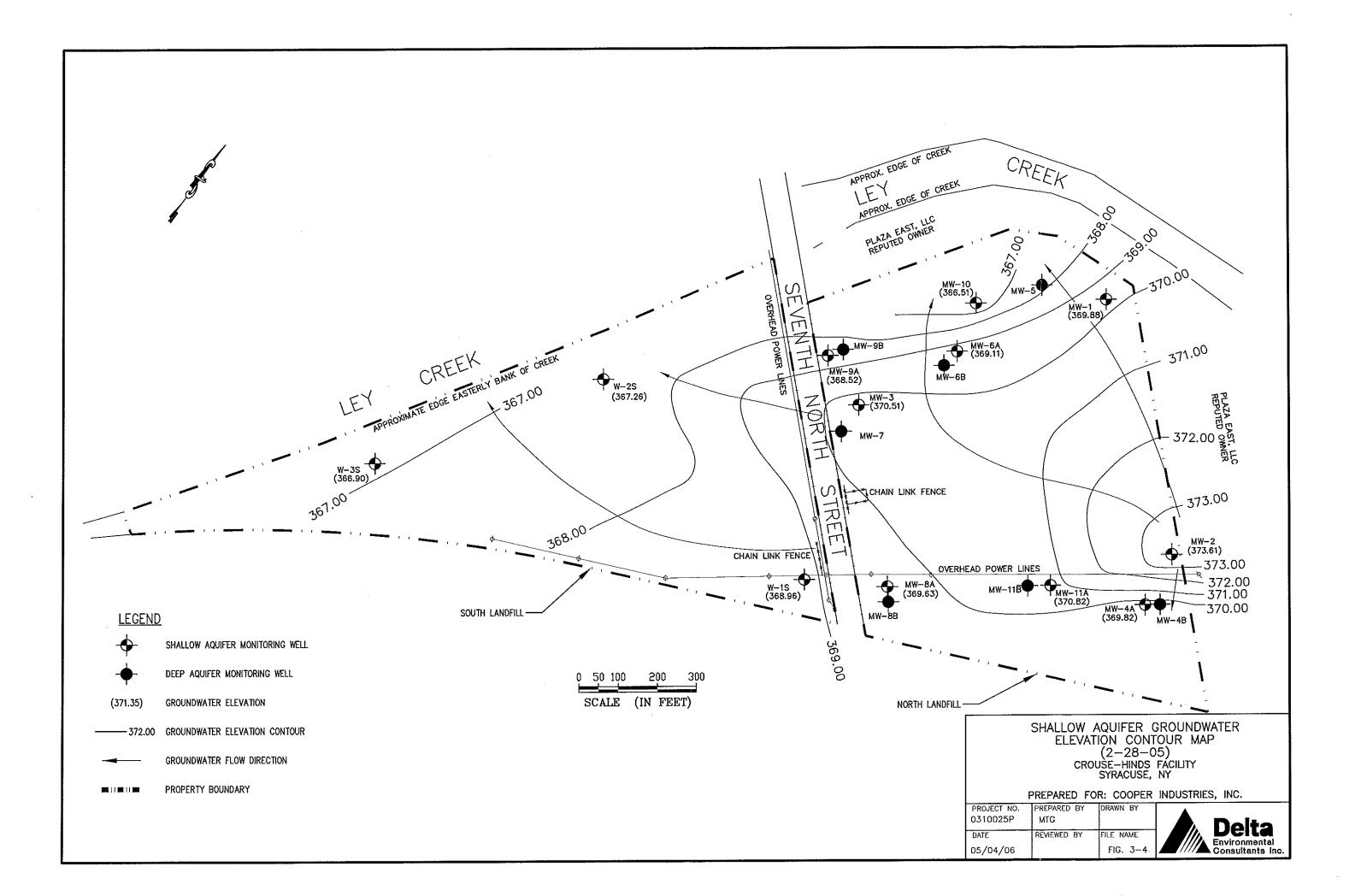
## 3.3.1 Shallow Aquifer

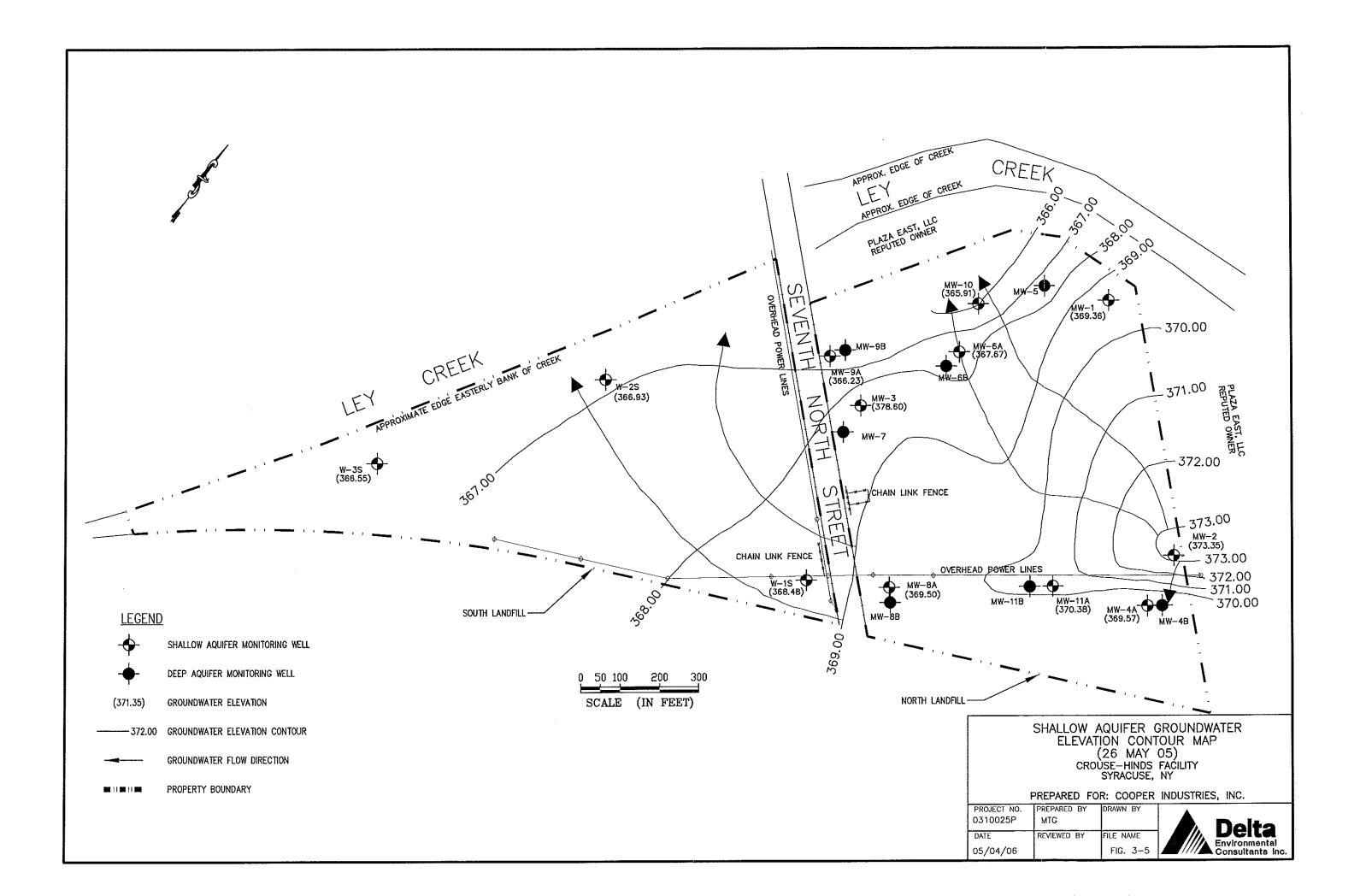
Groundwater occurs in the shallow unconfined aquifer at depths of approximately 1.7 feet to 10 feet below grade (Attachment 3). Groundwater flow conditions across the Site for monitoring events conducted in July and November 2004, and February, May and November 2005 are illustrated on Figures 3-2 to 3-6. Based on the groundwater flow maps, groundwater flow throughout the year in the shallow aquifer across the Site is generally to the west towards Ley Creek. However, in the northeast corner of the Site (area of wells MW-2, MW-4A and MW-11A) and near the southeast corner of the north landfill (area of MW-8A) groundwater flow direction appears to be towards the east in the direction of wetlands and streams that are located immediately adjacent to wells in that area of the Site. During 2004 (July and November) and early 2005 (February and May), groundwater data indicated that groundwater flow across the north landfill appeared to be deflected in the center of the landfill. The deflection appeared to be related

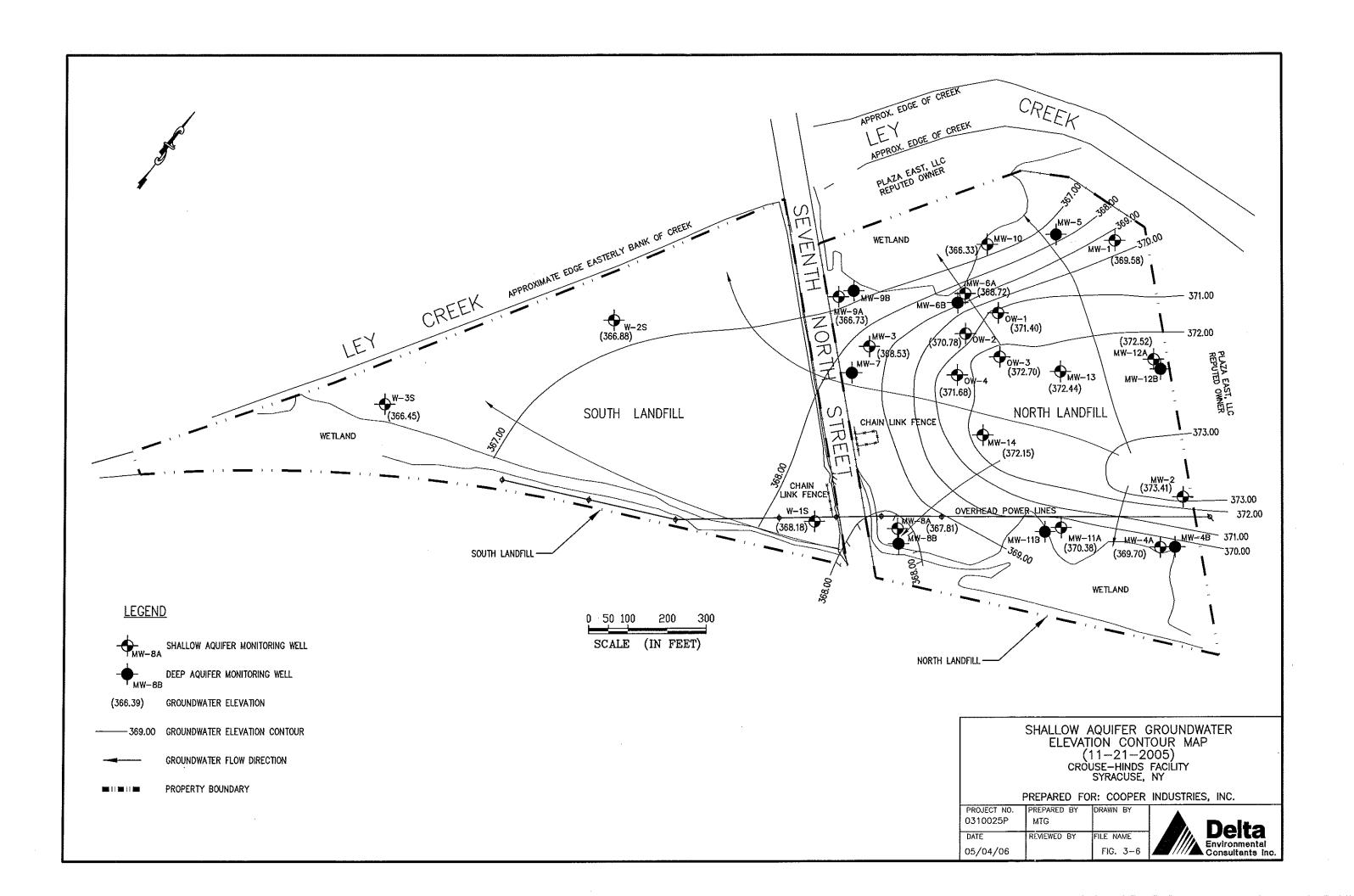










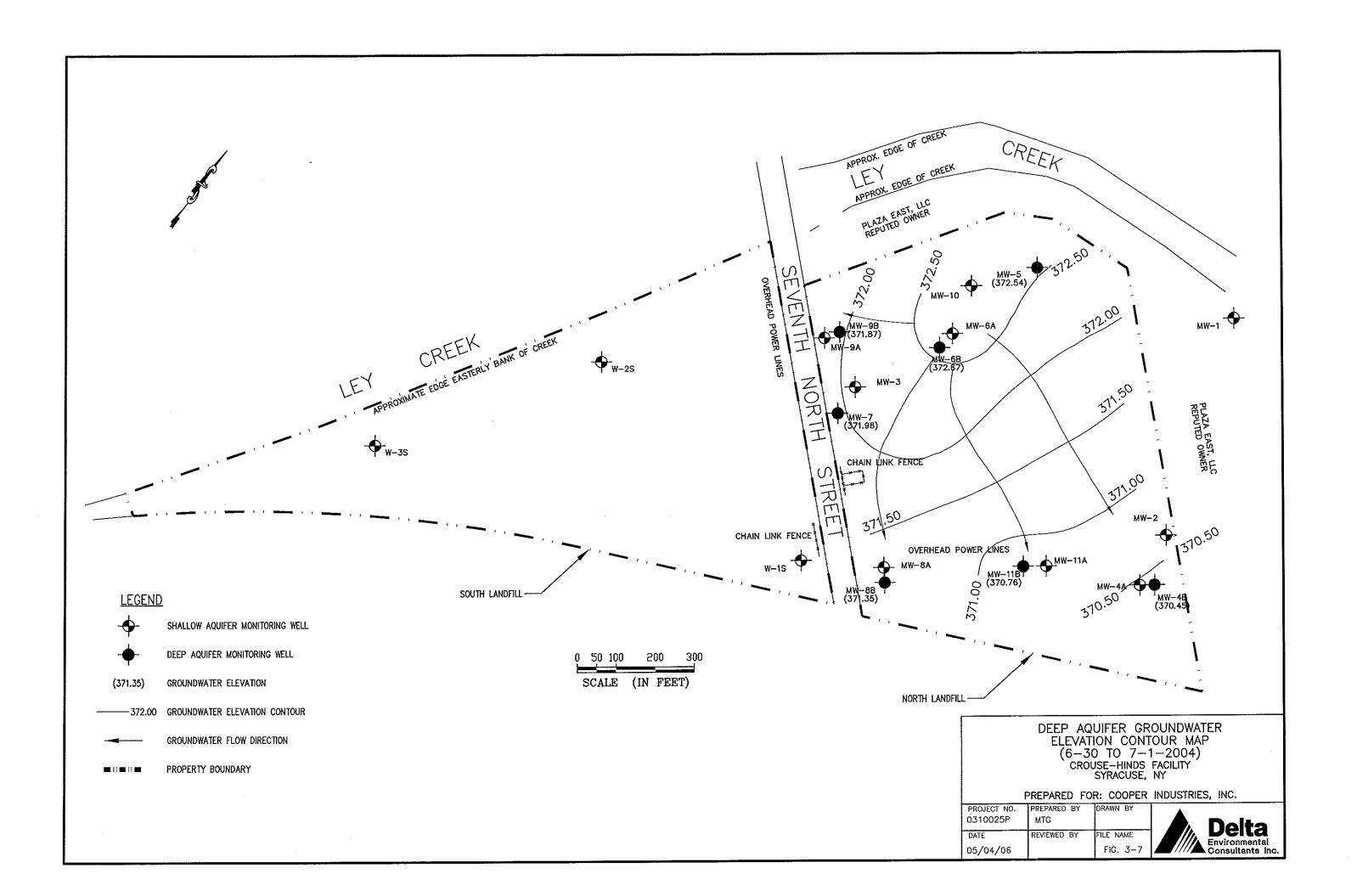


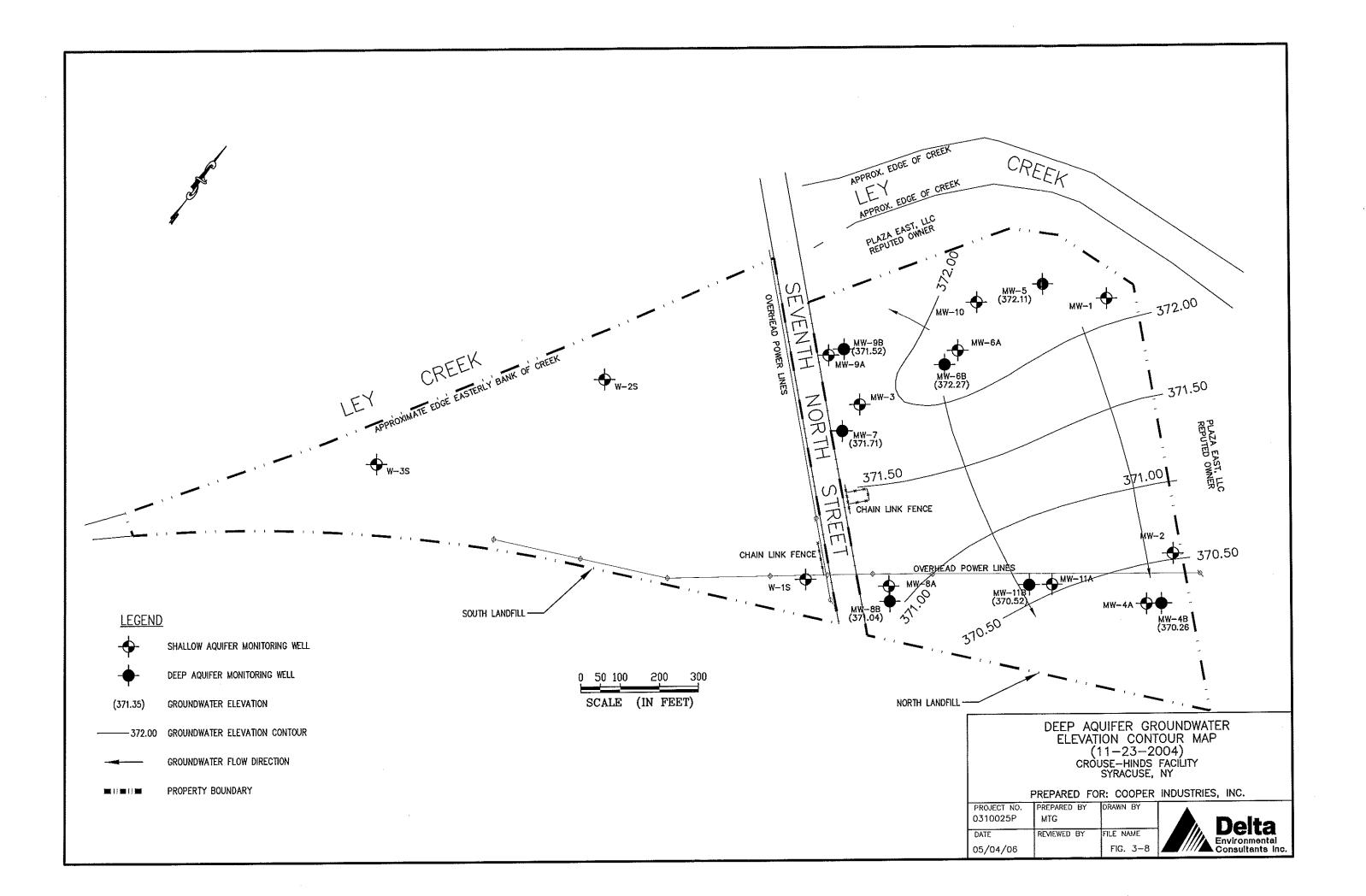
to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in the thickness of the mound to the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections change across the groundwater surface. In 2005, following installation of monitoring wells MW-13 and MW-14 and observation wells OW-1 to OW-4 flow direction across the central area of the north landfill was further defined and indicated that shallow groundwater flow direction was radially outward to the east, south, and west from the mounded area of the landfill. Additionally, groundwater flow data indicated that groundwater gradients were steeper along the slopes of the mound as it transitioned to flatter areas of the Site. The hydraulic gradient of the water table aquifer varies from 0.0024 feet/feet, across the south landfill and south central area of the north landfill, to 0.01 feet/feet, across the north central and northern area of the north landfill.

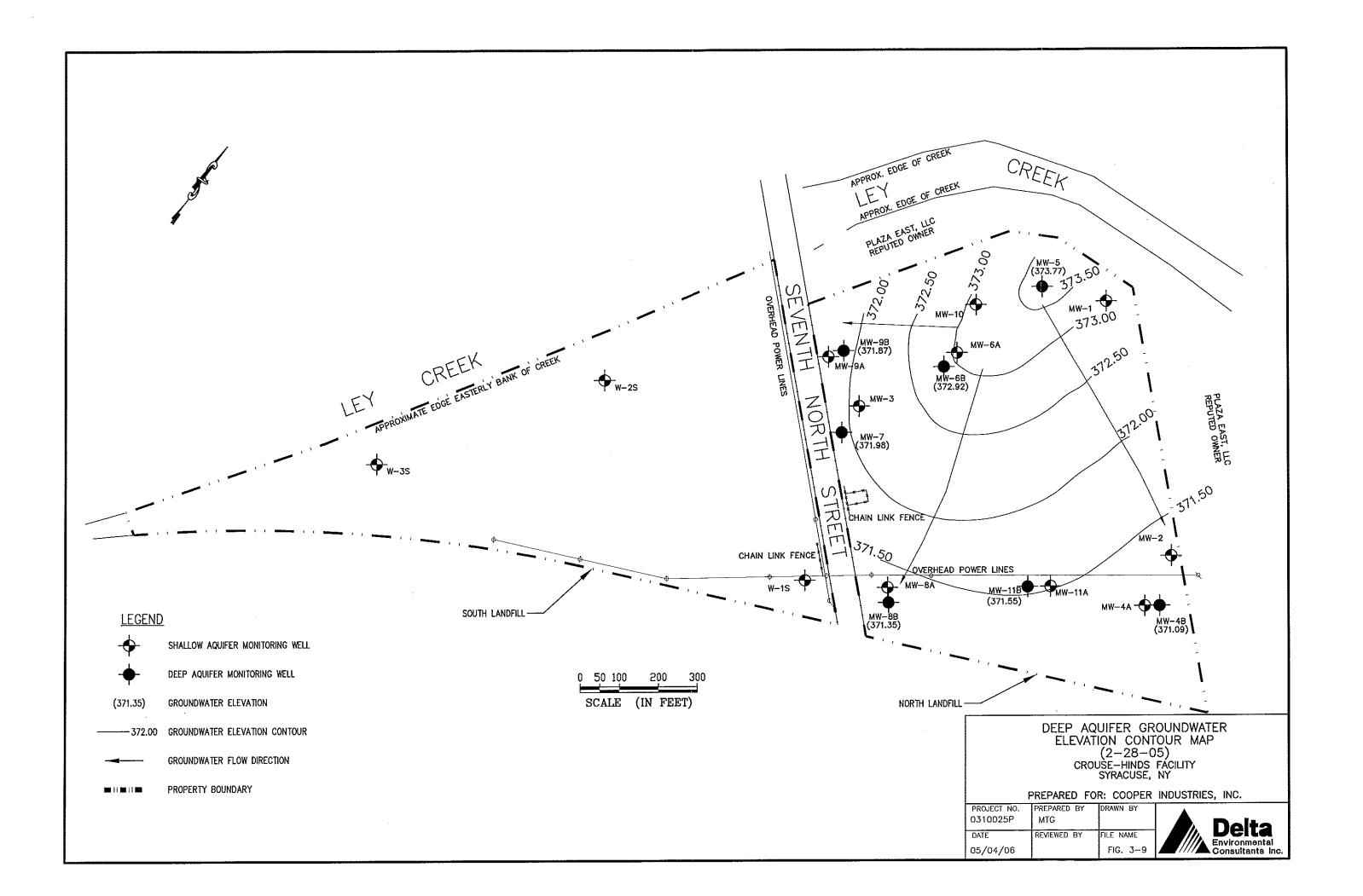
Contrary to the conclusions of previous groundwater investigations conducted at the Site in the early 1980's, there were no apparent seasonal variations in groundwater flow direction or gradients observed in the shallow aquifer during the PSA and SSA.

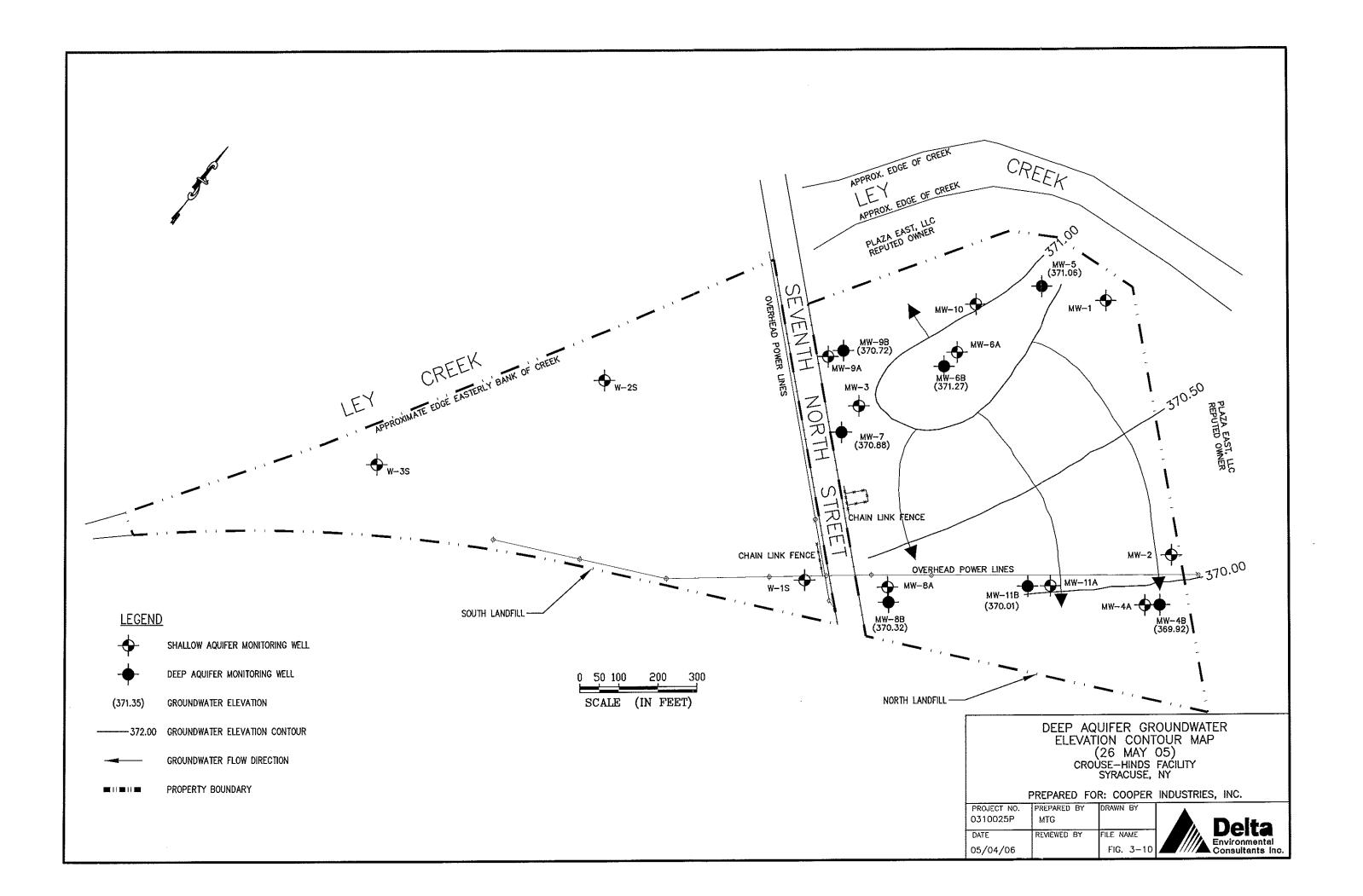
## 3.3.2 Deep Aquifer

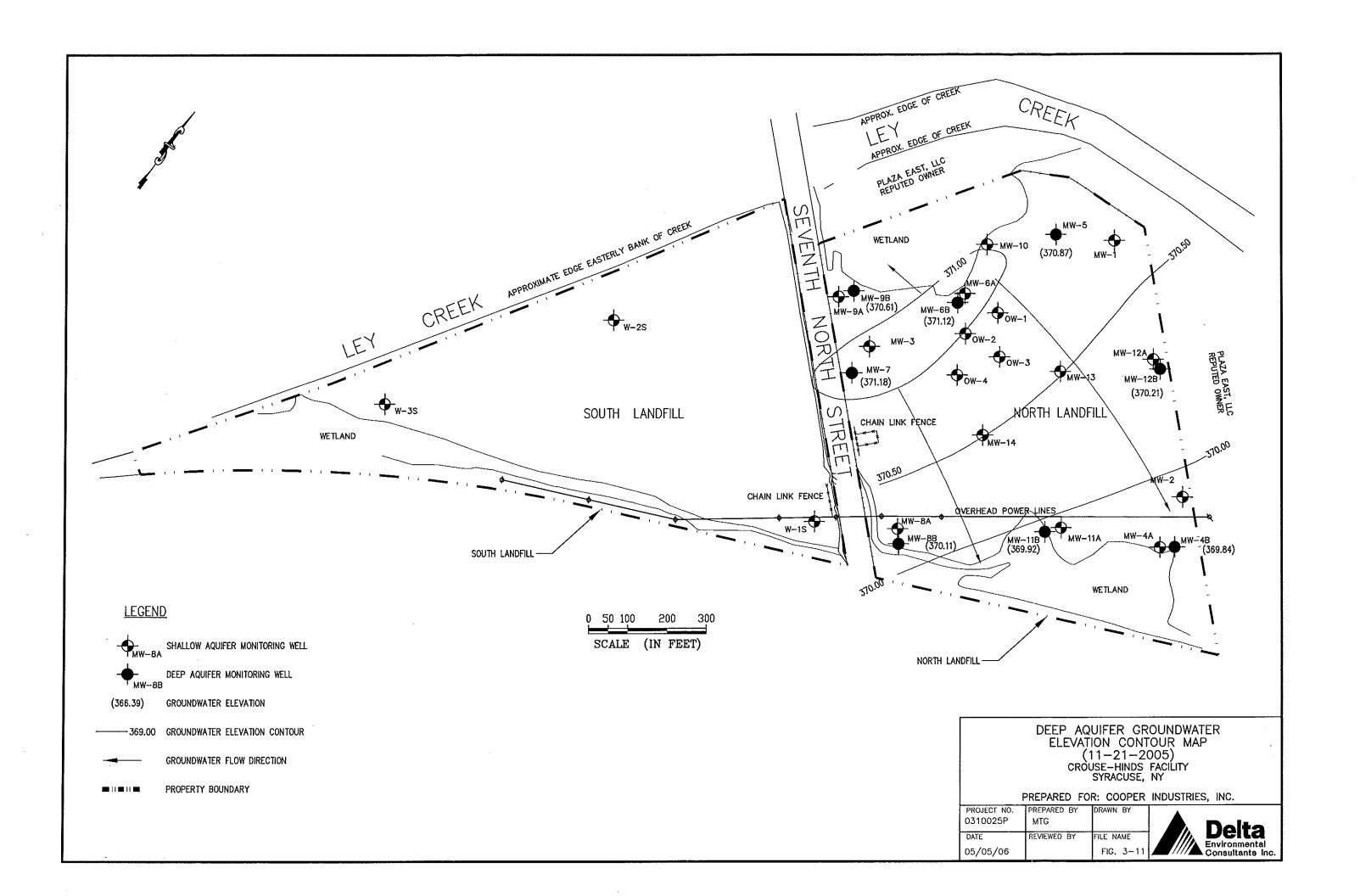
Groundwater in the deep aquifer is under artesian conditions and groundwater elevations measured in the deep monitoring wells were measured near and/or above grade in all deep monitoring wells (Attachment 3). Groundwater flow conditions across the Site for monitoring events conducted in July and November 2004, and February, May and November 2005 are illustrated on Figures 3-7 to 3-11. Based on the groundwater flow map, groundwater flow throughout the year in the deep aquifer across the north landfill section of the Site is radially outward (northeast to northwest) from the area of MW-5 and MW-6B. The hydraulic gradient of the deep aquifer ranges between 0.0014 feet/feet to 0.004 feet/feet. Water level data in paired wells (MW-4A and MW-4B, MW-6A and MW-6B, MW-8A and MW-8B, MW-9A and MW-9B, MW-11A and MW-11B, and MW-12A and MW-12B) indicate that an upward vertical gradient is present in the deep aquifer.











Groundwater flow conditions observed during all monitoring events were similar in the deep aquifer indicating that groundwater flow conditions in the aquifer remain relatively constant throughout the year.

## 3.3.3 Monitoring Well MW-6A Area Evaluation

As part of the SSA, a total of four observation wells (OW-1 to OW-4) and two test pits (TP-OW-1 and TP-OW-2) were installed in the area surrounding monitoring well MW-6A in an effort to determine the source and extent of free floating product, which has been observed in this well during the 2004 PSA and previous site investigation activities (Figure 3.1). Field observations following the installation of the test pits downgradient of well MW-6A indicated that water, which had accumulated in the test pits over a period of 24 hours, did not have any petroleum sheens or accumulation of free floating product on the water surface. Subsequent monitoring of well MW-6A and upgradient observation wells OW-1 to OW-4, on 21 November and 19 December 2005, 7 February, 1 March. and 24 March 2006 indicated that free phase petroleum product was detected in well MW-6A at thicknesses of between 0.6 feet to 0.95 feet during the monitoring events. Field observations also indicated that no sheens or free floating petroleum product was observed in any of the observation wells during the monitoring events. Based on the available monitoring data it appears that the source of free phase petroleum in well MW-6A is localized to within the immediate area of well MW-6A. The presence of an upgradient source area and downgradient impacts are not supported by the monitoring data.

## 3.4 ANALYTICAL RESULTS

## 3.4.1 Test Pit Soil Analytical Results

Analytical results for test pit soil samples are presented on Tables 3-1, 3-2, 3-3, 3-4, and 3-5. A review of the analytical data for soils collected from 38 test pits (TP-1 to TP-19, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-38, TP-40, TP-42, TP-44, TP-45, TP-48, TP-49, TP-53, TP-55, TP-58, AND TP-OW-2) indicated the following.

#### TABLE 3-1 2004 Test Pit Soil Sample Analytical Results VOCs and SVOCs Crouse-Hinds Landfills

	TAGM 4046									SAM	PLE ID / S	ample Depth	(feet)								
DADAMETED	Soil Cleanup	TP-I	TP-2	TP-3	TP-4	TP-5	TP-6	TP-7	TP-8	TP-9	TP-10	TP-10A (1)		TP-12	TP-13	TP-14	TP-15	TP-16	TP-17	TP-18	TP-19
PARAMETER Valatile Organic Community (1912)	Objectives (ppb)	(1' - 11')	(1' - 8')	(1' - 9.5')	(1' - 8')	(1' -15')	(0' - 11.5')	(0' - 13')	(0' - 3')	(1' - 15')	(1' - 15')	(1' - 15')	(0' - 14.5')	(1' - 11')	(1' - 12')	(1' - 7')	(1' - 9')	(1' - 15')	(1'-11')	(1' - 10,5')	(1' - 8')
Volatile Organic Compounds (ppb)	<u> </u>																				
Chloroethane	1,900	ND	ND	ND	ND	ND	ND	ND	22 J	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	2 J	3 J	5 J	5,400 JD	ND	10 J	7 J	4 J	2 J	1.J	6 J	3 J	2 J	6 J	2 J	7 J	2 Ј	2 J	ND	7 J
Acetone	200	17	30	25	1,000	87	13	91	100 J	28	8 J	40 J	36	32	17 J	2 J	13 J	14	25	6.3	9.5
Carbon Disulfide	2,700	3 J	ND	. 3 J	ND	ND	4 J	2 J	93	0,8 J	ND	6 J	2 J	2 J	8 J	2 J	8 J	ND	ND	ND	7.3
2-Butanone	300	2.]	4 J	3 J	ND	17 J	ND	2 J	83	4 J	ND	4.J	4 J	7 J	4 J	ND	ND	ND	7 J	ND	ND
Benzene	60	ND	ND	2 J	57 J	ND	4 J	1.J	ND	2 J	ND	3 J	6 J	2 J	2.J	ND	ND	ND	5 J	ND	2 J
4-Methyl-2-Pentanone	1,000	ND	ND	ND	ND	ND	ND	ND	5 J	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,400	ND	ND	ND	11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 Ј	ND	ND	ND	ND	ND
Toluene	1,500	ND	ND	3 J	120,000 D	80	4 J	2 J	8 J	2.J	ND	3 J	3 J	11 J	3 J	2 J	2 J	ND	3 J	ND	61
Chlorobenzene	1,700	ND	ND	ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND	ND	21	12.5	4 J	ND	12 J	4.1	ND
Ethylbenzene	5,500	ND	ND	ND	15,000 D	830 D	13 J	ND	3 J	630 D	19	4.3	4.]	6 J	ND	ND	ND	ND	9.3	ND	2 J
Styrene	NS	ND	ND	ND	45 J	420	ND	ND	ND	7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,4-Dichlorobenzene	8,500	ND	ND	ND	ND	22 J	18 J	ND	ND	ND	ND	ND	ND	ND	22	81	4 J	ND	13 J	51	ND
1,2-Dichlorobenzene	7,900	ND	ND	ND	ND	ND	3 J	ND	ND	2 J	ND	ND	ND	ND	2.J	ND	ND	ND	ND	ND	<del>                                     </del>
Xylenes, Total	1,200	ND	11 J	5.1	350	260	71 J	ND	25	26	5 J	13	12 J	45	4 J	ND	ND	4 J	34		ND
Semi-Volatile Organic Compounds (ppb)	33433433454			140,000	33.33.55	<u> </u>	<del>                                      </del>			20	2000	13	123	1000000	43	UND	ND	4.1		ND	5 J
Phenol	30 or MDL	ND	ND	88 J	240 J	980	1,500	1,400	2,300	3,900	930 J	1,300	2,000	110 J	ND	NTS.	ND	430		200	1
2-Methylphenol	100 or MDL	ND	ND	91 J	84 J	760	830	440	530	170 J	800 J	830	690	81 J	<del>}</del>	ND			ND	ND	ND
4-Methylphenol	900	ND	57 J	170 J	94 J	830	940	420	300 J	210 J	990 J	1.100	820	170 J	ND ND	ND	ND	190 J	ND	. ND	ND
Nitrobenzene	200 or MDL	ND	ND	ND	3 J	ND	ND	ND	ND	ND ND	ND ND	ND	ND		ND	ND	ND	200 J	ND	ND	48 J
Isophorone	4,400	ND	ND	ND	ND	ND	410	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	ND	ND	94 J	56 J	610	770	220 J	300 J				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3,400	ND	ND	ND	ND	160 J	<del></del>			180 J	980 J	740	600	61 J	ND	ND	ND	120 J	ND	ND	ND
Naphthalene	13,000	180 J	520	250 J	370 J		ND	ND	ND	ND	220 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	220 or MDL	ND	ND	4J		1,100	1,400	850	1,000	1,100	1,800 J	940	1,500	1,200	89 J	140 J	ND	350 J	140 J	110 J	280 J
4-Chloro-3-methylphenol	240 or MDL	ND	ND	24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36,400	150 J	240 J	24 J	ND 240 I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ΝD	ND
2,4,5-Trichtorophenol	100	ND ND	ND ND		240 J	1,200	1,600	1,100	560	620	1,400 J	850	1,300	620	ND	92 J	ND	230 J	100 J	ND	210 J
Acenaphthylene	41,000			ND	ND	ND	130 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50,000	ND	ND	74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64 J
Dibenzofuran	<del></del>	410 J	100 J	190 J	840	200 J	460	ND	80 J	530	ND	70 J	620	610	ND	ND	ND	ND	98 J	ND	110 J
	6,200	ND	160 J	200 J	510	260 J	480	89 J	140 J	510	68 J	260 J	790	620	ND	ND	ND	82 J	90 J	ND	130 J
Fluorene	50,000	1,300 J	290 J	320 J	1,000	450	640	87 J	150 J	660	580 J	320 J	1,100	1,000	ND	100 J	ND	ND	160 J	ND	280 J
Phonanthrene	50,000	5,900 D	930	1,200	18,000 D	1,300	2,200 J	330 J	1,000	1,900	1,900 J	950	7,200 D	4,700 D	370 J	310 J	170 J	300 J	1,200	170 J	1,700
Anthracene	50,000	1,200 J	180 J	260 J	4,100 JD	260 J	660 J	79 J	260 J	330 J	130 J	210 J	1,400	1,300	83 J	ND	ND	57 J	210 J	ND	340 J
Di-n-butylphthalate	8,100	ND	ND	ND	ND	660	ND	ND	67 J	91 J	ND	ND	ND	44 J	71 J	140 J	98 J	ND	ND	ND	ND
Fluoranthene	50,000	1,800 J	620	1,200	40,000 D	300 J	1,600 J	130 J	1,100	800	380 J	280 J	7,500 D	2,700	740	230 J	320 J	150 J	1,200	190 J	2,200
Pyrene	50,000	2,300 DJ	460	2,600 J	29,000 D	700 J	2,800 D1	100 J	1,800	750	740 J	400 J	5,800 D	3,400 D	760	460 J	620 J	120 J	2,400 J	140 J	3,000
Butylbenzylphthalate	50,000	ON	ND	47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	810 J	ND	ND
Benzo(a)anthracene	224 or MDL	700 J	170 J	630 J	14,000 D	140 J	1,100 J	ND	610	150 J	230 J	110J	2,600 J	1,500 J	360 J	91 J	190 J	47 J	660 J	82 J	1,000
Chrysene	400	1,000 J	230 J	960 J	17,000 D	240 J	1,100 J	53 J	670	160 J	150 J	130 J	2,700 J	1,400 J	420 J	180 J	270 J	73 J	840 J	97 J	1,200
Bis(2-Ethylhexyl)phthalate	50,000	ND	580	1,300	820 J	1,500 J	1,200 J	100 J	350 J	510	630 5	570	3,000 J	4,900 DJ	530 J	3,600 J	4,600 J	110 J	950 J	440 J	130 J
Di-n-octy/phthalate	50,000	ND	ND	ND	ND	ND	83 J	ND	ND	ND	ND	96 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	750 J	230 J	1,200 J	20,000 D	220 J	1,500 J	41 J	1,100 J	140 J	140 J	110 J	4,000 D	1,700 J	550 J	130 J	360 J	71 J	1,000 J	93 J	1,500 J
Benzo(k)fluoranthene	1,100	310 J	72 J	330 J	7,500 JD	76 J	470 J	ND	300 J	ND	ND	ND	1,200 J	640 J	200 J	59 J	130 J	ND	330 J	ND	660 J
Benzo(a)pyrene	61 or MDL	460 J	150 J	770 J	12,000 D	140 J	970 J	ND	590 J	88 J	43 J	53 J	2,300 J	1,000 J	340 J	84 J	200 J	ND	710 J	ND	1,000 J
Indeno(1,2,3-cd)pyrene	3,200	190 J	54 J	380 J	3,800 JD	58 J	480 J	ND	250 J	ND	ND	ND	1,300 J	420 J	140 J	ND	130 J	ND	310 J	ND	450 J
Dibenz(a,h)anthracene	14 or MDL	ND	ND	150 J	1,400 J	54 J	170 J	ND	130 J	ND	ND	ND	410 J	150 J	ND	ND	ND	ND	150 J	ND	170 J
Benzo(g,h,I)perytene	50,000	360 J	50 J	390 J	3,500 JD	100 J	530 J	ND	300 J	ND	ND	45	1,200 J	410 J	140 J	58 J	150 J	ND	340 J	ND	430 J
Notes:												L	-,			-03	1000		J-0 J	112	- UU

ND: Compound not detected. (1): Sample TP-10A is a duplicate of TP-10.

NS: No Standard,

MDL; Mothod Detection Limit.

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### TABLE 3-2 2004 Test Pit Soil Sample Analytical Results Pesticides, PCBs and Metals Crouse-Hinds Landfills

4.	TAGM 4046									SAM	PLE ID / S	ample Depti	(feet)							***	
PARAMETER	Soil Cleanup Objectives (ppb)	TP-I	TP-2	TP-3	TP-4	TP-5	TP-6	TP-7	TP-8	TP-9	TP-10	TP-10A (4)		TP-12	TP-13	TP-14	TP-15	TP-16	TP-17	TP-18	TP-19
Pesticides (ppb)	Objectives (ppb)	(1' - 11')	(1' - 8')	(1' - 9.5')	(1' - 3')	(1' -15')	(0' - 11.5')	(0' - 13')	(0' - 3')	(1' - 15')	(1' - 15')	(1 - 15')	(0' - 14.5')	(1' - 11')	(1' - 12')	(1' - 7')	(1' - 9')	(1' - 15')	(1' - 11')	(1' - 10.5')	(1' - 8')
beta-BHC												<u> </u>	1900			<u>:::::::::::::::::::::::::::::::::::::</u>					
gamma-BHC (Lindane)	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9 ЛР	ND	ND	ND	3.6	ND	ND	ND
· · · · · · · · · · · · · · · · · · ·	60	ND	0.8 JP	13 PJ	ND	1.1 JP	ND	ND	ND	ND	ND	10 PJ	ND	ND	3 JP	12 J	36	ND	14 PJ	8,9 PJ	ND
Heptachlor	100	ND	ND	ND	ND	ND	ND	ND	ND	2.3 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	41	ND	ND	ND	ND	ND	מא	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 PJ	ND
Heptachlor epoxide	20	ND	ND	ND	ND	ND	DИ	ND	ND	3,8 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	900	ND	ND	ND	ND	ND	ND	ND	МD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,2 PJ	ND
Dieldrin	44	32 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7 JP	32 J	ND	ND	5.3 JP	20 J	ND
4,4'-DDE	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND -	17 PJ	2.2 JP	ND	ND	15 PJ	ND	5.4 J	ND	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8 J	5.9 JP		ND ND	$\overline{}$	6,1 PJ
PCBs (ppb)					(33:33:33:3	344	2000	1000000		50000000		1000000		(1) (0) (1)	1411	2,00	7.1.1.1.1.1.1.1	ND ·····	7,44,414,414	ND	0,17)
Arocior 1254	10,000 (1)	970 DJ	ND	540 DJ	ND	ND	ND	45 P1	960 DJ	85	ND	ND	ND	280 DJ	340 D	770 J	700 D	100	370 DJ	1.500.71	050 51
Aroclor 1260	10,000 (1)	150 J	ND	130 J	440 JD	2,700 DJ	ND	32 J	220 J	36 J	150 J	520 DJ	ND	71 J	160 J	210 J	150 J	ND		1,200 DJ 350 J	250 DJ 67 J
Total PCBs (ppb)	10,000 (1)	1,120	ND	670	440	2,700	ND	77	1.180	121	150	520	ND	351	500	980	850	100	84 J 454	1,550	317
Metals (ppm)	TAGM 4046 Soil Cleanup Objective (ppm)																				
Selenium	2 or SB	0.81 B	1,3	ND	ND	0,48 B	ND	0.37 B	0.52 B	0.39 B	ND	0.48 B	ND	1 B	2.2	2	ND	0.48 B	1.7 B	0.73 B	0.43 B
Mercury	0,1	ND	0.037	0,1	0,084	ND	ND	ND	ND	ND	ND	ND	ND	0,24	0.44	0.44	0.26	ND	1.1		0,11
Arsenic	7.5 or SB	6.7	18.9	8	2.3 B	3.8	5	6.7	21.6	1.7	3.8	3.5	3.5	7.8	9.6	15.2	11.4	6.4	8.8	0.46	
Barium	300 or SB	62,5	50.5	68.8	67	58.5	58,1	68.5	128	97.4	37,5 B	36.5 B	27.9 B	88.1	189	160		}		8.6	8,2
Beryllium	0.16 or SB	0,3 B	0,45 B	0.25 B	1 B	0.47 B	0,33 B	0.5 B	0.66 B	0.8 B	0.43 B	0.45 B	0.29 B	0.32 B	0.3 B	0,28B	118 0.22 B	42.7 B	166 0.64 B	183 ND	57.5
Cadmium	1 or SB	1.7	4	26.7	3,9	ND	1 B	ND	1,200	3.5	0.11 B	0,45 B	ND	8.2	9.5	70.2	1,1 B	ND	46,8		0.47 B
Chromium	10 or SB	7.5 *	11.8 *	30.9 *	101 *	24.4 *	17 *	41.2 *	91,3 *	13.7 *	21.1 *	13.1 *	9.7 *	34,4 *	28.3 *	119 *				5.1	19
Cobalt	30 or SB	2.6 B	5 B	3,9 B	3.4 B	2.7 B	5.5 B	5.2 B	11,1 B	1,9 B	2 B	1.9 B	1,8 *	3.9 B	7.3 B		32.7 * 10.9 B	24.4 *	34.8 * 6.9 B	53.2 *	57.5 *
Copper	25 or SB	519 NJ	109 NJ	316 NJ	215 NJ	30 NJ	50 NJ	39.7 NJ	1,720 NJ	12.3 NJ	33.1 NJ	49.1 NJ	46,7 NJ	255 NJ	<del></del>	12.4 B		4.1 B		4.9 B	5 B
Iron	2,000 or \$B	11.000 *	16,900 *	22,600 *	30,500	17,500 *	14,100 *	50,500 *	86.100 *	6,840 *	14,400 *	9,750 *	11,800 *		61.9 NJ	109 NJ	86.4 NJ	44.5 NJ	113 NJ	173 NJ	1,980 BNJ
Lead	SB (2)	36.7 EJ	36,3 EJ	88.3 EJ	80,8 EJ	36.8 EJ	50.3 EJ	52.6 EJ	335 EJ	68.4 EJ		142 EJ		27,400 *	34,400 *	95,800 *	55,800 *	23,200 *	26,100 *	35,300 *	23,900 *
Nickel	13 or SB	8 B	15,8	17.1	28.2	15,5	15	28.6	64,5	4 B	61.8 EJ	<del></del>	45.2 EJ	76,8 EJ	44.3 EJ	234 EJ	214 EJ	45.8 EJ	43 EJ	379 EJ	151 EJ
Silver	SB	ND	ND	ND	ND ND	ND	ND ND	ND ND		ļ	12.3	7.5 B	11,8	20,5	18,9	36.4	34.1	26.2	29.5	19.5	19.7
Vandium	150 or SB	7.6 B	13.4	12,1 B	14.4	8.1 B			ND 27.1 B	0,62 BN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zine	20 or \$B	282 NR	320 NR	646 NR	469 NR	166 NR	9.7 B	5.9 B		4,8 B	6,3 B	4.8 B	4.4 B	11.3 B	17.9 B	15,1 B	6,5 B	9,9 B	20.1	11,3 B	18
Total Cvanide	NS (3)	ND ND	ND ND	ND ND	ND ND	1	90,6 NR	86,3 NR	2,280 NR	147 R	178 NR	215 NR	149 NR	278 NR	271 NR	1,320 NR	368 NR	41.5 NR	920 NR	631 NR	526 NR
Notes:	110(2)	1417	[ 1/12	מאו	I ND	ND	ND	ND	ND	DN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	107

ND: Compound not detected (1): Cleanup objective for subsurface soils. NS: No Standard.

MDL: Method Detection Limit.

SB: Site Background.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

(3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

(4): Sample TP-10A is a duplicate of TP-10.

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective. 1,200

#### Organic Data Qualifers:

- J: Estimated Value.
- D: Identified in analysis at secondary dilution factor.
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged. Inorganic Data Qualifers:
- E: Estimated value due to interferences.
- J or B; Value greater than or equal to the instrument detection limit, but less than the quantitation limit,
- N: Spike sample recovery not within quality control limits.
- \*: Analysis is not within quality control limits.
- R: Data validation rejected data.

#### TABLE 3-3 2004 Test Pit Soil Sample Analytical Results Waste Characterization Analyses

#### Crouse-Hinds Landfills

	Maximum Concentration				SA	MPLE ID / S:	mple Depth (	feet)			···········
PARAMETER	of Contaminants for the	TP-5-WC	TP-6-WC	TP-7-WC	TP-8-WC	TP-9-WC	TP-10-WC	TP-13-WC	TP-14-WC	TP-16-WC	TP-17-WC
Volatile Organic Compounds (ppb)	Toxicity Characteristic (ppb)	(1'-15')	(0' - 11,5')	(0' - 13')	(0' - 3')	(1' - 15')	(1' - 15')	(1' - 12')	(1' - 7')	(1' - 15')	(1' - 11')
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	700	ND	ND	ND	ND	ND	מא	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)						130000000000000000000000000000000000000	136.00	12:10:10:10:10:10:10:10:10:10:10:10:10:10:			
Pyridine	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol (m/p-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND		ND
2,4,5-Trichlorophenol	400,000	ND	ND	ND	ND	ND	ND ND	ND		ND	ND
2,4-Dinitrotoluene	130	ND	ND	ND	ND ND	ND			ND	ND	ND
Hexachlorobenzene	130	ND	ND	ND	ND		ND	ND	ND	ND	ND
Pentachlorophenol	100,000	ND	ND	ND	ND	ND ND	ND	מא	ND	ND	ND
Metals (ppb)		01000000	100000000000000000000000000000000000000	MD (Marking and	UNITED TO	ND	ND	ND	ND	ND	ND
Arsenic	5,000	ND	ND	ND		27.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	<u> </u>				
Barium	100,000	631	ND ND		ND	ND	ND	ND	ND	ND	ND
Cadmium	1,000	ND	ND	ND	940	ND	ND	478	884	ND	660
Chromium	5,000			ND	215	69.3	ND	ND	340	ND	46.6
Lend	5,000	26.5	ND	20.1	ND	27.5	32,8	ND	ND	ND	ND
Mercury	200	ND	ND	ND	ND	413	ND	ND	ND	ND	ND
Sclenium		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	1,000	ND	ND	ND	מא	ND	ND	ND	ND	ND	ND
	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides (ppb)											
gamma-BHC (Lindane)	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Teptachlor	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Teptachlor epoxide	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Technical Chlordane	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other										34336	<u> </u>
gnitability (Flashpoint) F°	≤140 F°	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Corrosivity (pH Solid)	≤2 or 12.5 ≥	9.37	8.27	10.18	9.28	8.88	9,13	7.69	7.70	8,21	7,20
f2S (mg/kg)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND
ICN (mg/kg)	NS	ND	ND	ND	ND	ND	ND	ND	110	110	

Notes: ND: Compound not detected.

NS; No Standard.

1,200 Analyte detected at concentration in excess of Maximum Concentration for the Toxicity Characteristic.

#### TABLE 3-4 2005 Test Pit Soil Sample Analytical Results VOCs and SVOCs Crouse-Hinds Landfills

	TAGM 4046									SAM	PLE ID / S	ample Depti	(feet)			<del></del>	****	· · · · · · · · · · · · · · · · · · ·			
D & D & MATTER D	Soil Cleanup	TP-21	TP-23	TP-26	TP-28	TP-30	TP-32	TP-34	TP-35	TP-OW-2	TP-38	TP-40	TP-42	TP-44	TP-45	TP-45-1(1)	TP-48	TP-49	TP-53	TP-S5	TP-58
PARAMETER	Objectives (ppb)	(2' - 13')	(2' - 7')	(1' - 6.5')	(4.5' - 13.5'	(3' -11')	(1' - 12')	(2' - 6')	(1' - 8')	(1' - 8')	(2' - 16')	(1' - 11')	(6' - 15')	(7' - 9')	(2' - 5')	(2' - 5')	(1' - 5.5')	(2' - 4')	(1' - 6')	(2' - 13.5')	(1' - 12')
Volatile Organic Compounds (ppb)																					1000000
Chloromethane	NS	ND	ND	ND	ND	ND	43	5 J	ND	ND	ND	ND	ND	ND	ND		N. 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>		<u> </u>	
Chloroethane	1,900	ND	ND	ND	2 J	ND	2.3	4.3	ND	41	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	ND	ND
Methylene Chloride	100	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND	ND ND
Acctone	200	31	170	16	36	ND	17	13	ND	110	86	110	730 D	150	120	72	350 D	210	75	ND 240	14
Carbon Disulfide	2,700	2.5	ND	ND	ND	ND	ND	ND	ND	ND	1.J	ND	ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND
2-Butanone	300	18	55	ND	7 J	ND	5 J	ND	ND	40	11	32	190 J	56	37	24	57	75 J	27	66	ND
Benzene	60	ND	ND	. QN	3 J	ND	4 J	2 J	ND	2 J	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND
Toluene	1,500	2 J	ND	ND	ND	ND	2 J	ND	2,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,700	ND	ND '	ND	9.1	2,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5,500	ND	DND	ND	ND	ND	16	ND	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	800 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Xylenes, Total	1,200	4 J	ND	ND	ND	ND	61	ND	4,000	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	3.3	4.J	ND	51	ND	ND	ND	ND	3.J	ND
Cyclohexane	NS	4 J	ND	ND	ND	ND	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			<del></del>
Methylcylohexane	NS	17	2 J	ND	2 J	ND	2.1	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Isopropylbenzene	2,300	ND	ND	ND	11 J	ND	5.1	ND	590 J	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND
1,4-Dichlorobenzene	8,500	ND	ND	ND	9.J	400 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	<del>                                     </del>
Semi-Volatile Organic Compounds (ppb)			333333			130 13 13	144.5514	41.111.14	444444	1111	200	1000000	1000000		1000000	1,10	עאו	- IVD	ND.	NU	ND
Benzaldehyde	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200 J	ND	No	ND	*****	33,1,1,1,1,1,1		
Phenol	30 or MDL	ND	ND	60 J	ND	ND	ND	490	440 J	440 J	ND	ND	ND	ND ND	ND	ND ND	180 J	ND ND	ND	ND	ND
2-Chlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170 J	ND	ND	ND	ND
2-Methylphenol	100 or MDL	ND	ND	89 J	ND	ND	ND	380 J	1,100 J	280 J	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND
4-Methylphenol	900	55 J	מא	170 J	ND	32 J	ND	300 J	940 J	290 J	ND	ND	ND	ND	39 J	ND	ND ND	ND	ND ND	ND	ND
2,4-Dimethylphenol	NS	ND	מא	130 J	ND	ND	ND	470	1,000 J	320 J	ND	ND	ND	ND	ND	ND				ND	ND
Naphthalene	13,000	790 DJ	57 J	160 J	100 J	51.)	ND	700	1,100 J	450 J	86 J	320 J	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND
4-Chloro-3-methylphenol	240 or MDL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190 J	ND		ND	ND
2-Methylnaphthalene	36,400	1,100	41 J	1101	230 J	73 J	980 J	740	1,400 J	430 J	76 J	230 J	ND	ND	ND	ND	ND	170 J	ND ND	ND ND	ND
Biphenyl	NS	240 J	ND	ND	ND	ND	ND	170 J	ND	88 J	ND ·	ND	ND	ND	ND	ND	ND	ND	ND D	ND	ND
Acenaphthylene	41,000	1,400	160 J	620 J	56 J	ND	ND	ND	ND	260 J	12 J	570 J	200 J	ND	94.1	100 J	ND	290 J	ND		ND
Acenaphthene	50,000	740 DJ	40 J	280 J	64 J	ND	ND	170 3	540 J	170 J	17 J	190 J	ND ND	ND	ND ND	ND ND	140 J	ND	ND	ND	ND
Dibenzofuran	6,200	390 J	33 J	ND	68 J	ND	ND	140 J	400 J	160 J	[9.J	160 J	ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND
Diethyl phthalate	7,100	ND	ND	ND	ND	10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND ND
Fluorene	50,000	1,700 DJ	78 J	630 DJ	120 J	12 J	820 J	130 J	1,300 J	460 J	35 J	460 J	170 J	ND	29 J			140 J			
N-nitrosodiphenylamine	NS	ND	ND	ND	81 J	ND	ND	ND	ND	ND .	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND
Phonanthrene	50,000	10,000 D	500 J	1300 DJ	630	80 J	2,300 J	ND	4,000 J	1,600	200 J	3,600 J	1,300 J	63 J	300 J	260 J	240 J	580 J	160 J		
Anthracene	50,000	1,700	140 J	490 DJ	140 J	18 J	620 J	ND	1,200 J	380 J	26 J	860 J	370 J	ND	76 J	ND ND	ND ND	210 J	ND	140 J	140 J
Carbazole	NS	440 J	69.1	ND	48 J	ND	700 J	ND	ND	81 J	ND	250 J	130 J	ND	40 J	ND	ND	ND ND	ND	ND ND	ND ND
Di-n-butylphthalate	8,100	80 J	ND	ND	75 J	27 J	710 J	ND	1,300 J	360 J	36 J	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	
Fluoranthene	50,000	14,000 D	880	3,100 DJ	690 DJ	110.1	1,100 J	ND	1,700 J	1,100	120 J	4,400 J	1,900 J	130 J	580 3	600 J	500 J	600 J	410 J	250 J	ND 160 I
Рутеле	50,000	14,000 D	710 J	2,800 DJ	520 J	87 J	1,200 }	ND	1,700 J	940	110 J	4,000 5	1,500 J	96 J	490 1	440 J					160 J
Benzo(a)anthracene	224 or MDL	4,800 DJ	460 J	1,500 J	280 J	54 J	ND	ND	390 J	440 J	45 J	2,200 J	870 J	64 J	g		540 J 220 J	730 J	300 J	190 J	110 J
Chrysene	400	6,200 DJ	500 J	1,500 J	290 J	58 J	ND	ND	650 J	480 J	64 J	2,200 J	900 J	65 J	290 J 310 J	280 J		260 J	200 J	ND	ND
Bis(2-Ethylhexyl)phthalate	50,000	16,000 BD	ND	ND	5,300 BD	ND ND	ND	770 B	9,500 B	900 B	1,400 B	ND	D QN	ND		320 J	260 J	370 J	190 J	150 J	66 J
Di-n-octylphthalate	50,000	ND	ND	ND	58 J	ND	ND	120 J	700 J	180 J	ND	ND	טא סא	ND	ND	ND ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	6,200	710 J	2,800 J	380 J	78 J	ND	610	920 J	820	58 J	2,400 J	1,200 J	120 J	ND 440 J	ND 400 J	ND TOO !	ND 440 T	ND	ND no. t	ND
Benzo(k)fluoranthene	1,100	2,300 DJ	300 J	850 J	160 J	26 J	ND	660	1,000,1	860	21 J	680 J	300 J	120 J	120 J	<del></del>	360 J	440 J	310 J	200 J	ND
Benzo(a)pyrene	61 or MDL	4,200 DJ	520 J	1,600 J	260 J	45 J	ND	190 J	200 J	350 J	35 J	2.000 J	860 J	66 J		ND 740 F	ND	170 J	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3,200	2,700 DJ	330 J	2,800 J	180 DJ	20 J	ND	110 J	ND	350 J	26.)	1,200 J			320 J	340 J	260 J	290 J	240 J	130 J	ND
Dibenz(a,h)anthracene	14 or MDL	970	97 J	790 J	39 J	ND ND	ND	29 J	ND	48.J	ND		550 J	41 J	230 J	250 J	190 J	250 J	180 J	110 J	ND
Benzo(g,h,i)perylene	50,000	3,200 DJ	340 J	3,900 J	240 DJ	25 J	ND	140 J	170 J	170 J	33 J	370 J	160 J	ND	67 J	ND	ND	120 J	ND	ND .	ND
Notes:	,000			2,2003	47000	223	INU	1407	17UJ	1701	35 J	1,500 }	700.J	47 J	260 J	260 J	230 J	320 J	180 J	120 /	ND

ND: Compound not detected,

NS: No Standard,

MDL: Method Detection Limit,

J; Estimated Value.

D: Identified in analysis at secondary dilution factor.

B: Analyte detected in associated blank as well

(1): Sample TP-45-1 is a duplicate of TP-45. Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### TABLE 3-5 2005 Test Pit Soil Sample Analytical Results Metals Crouse-Hinds Landfills

	TAGM 4046									SAM	PLE ID / S	ample Depth	(feet)								
PARAMETER	Soil Cleanup Objectives (ppb)	TP-21 (2' - 13')	TP-23 (2' - 7')	TP-26 (1' - 6.5')	TP-28 (4.5' - 13.5'	TP-30 (3' -11')	TP-32 (1' - 12')	TP-34 (2' - 6')	TP-35 (1' - 8')	TP-OW-2	TP-38	TP-40 (I' - 11')	TP-42	TP-44 (7' - 9')		TP-45-1(1)	TP-48 (1' - 5.5')	TP-49 (2' - 4')	TP-53	TP-55 (2' - 13.5')	TP-58
Metals (ppm)														, <u> </u>	\ <u>2</u> - \ \	(2 -3)	(1 2,23)	(2 - 4)	(1 - 0)	(2 - 13.5 )	(1' - 12')
Arsenic	7.5 or SB	31.1 J	14.8 J	8,4 J	3.6 J	5.8 J	3 J	1.8 J	5.1 J	4.3 J	4 *	4.6 *	10 *J	13,9 *J	9.3 *J	8.0 *J	6.6 *J	61*		0000	10000000
Beryllium	0,16 or SB	1.2 J	0.59 BJ	0.82 BJ	0.34 B	0.39 B	0.87	0,49 B	0.62 B	0,82 B	0.19 B	0.73	0,39 BJ	0.23 BJ	0.76 BJ	0.47 BJ	0.73 BJ	0.78 B	15,8 *J 0,8 BJ	9.9 *J 0.92 BJ	1,6 *
Cadmium	1 or SB	68 J	126 J	6,3 J	0.75 BJ	0.33 BJ	3.1 J	0.38 BJ	1.1 J	3.2 J	2.2 N*J			<del></del>	6 N*J	8.5 N*J	3 N*J	867 N*J	53 N*J		0.64
Chromium	10 or SB	1,560 J	26 J	293 J	39.8 J	8.9 J	34,2 J	18,2 J	107 J	74.7 J						<del>\</del>		1170 N*J		6.2 N*J 29.3 N*J	1.6 N*J
Соррег	25 or SB	90.4 J	188 J	12,900 J	43,8 J	20,6 J	50,3 J	21 J	114 J	95.4 J	789 N*J					94 N*J	<del></del>	- Augustin			
Lead	SB (2)	143 J	43.6 J	621 J	78.2 J	109 J	59.6 J	17.3 J	40.7 J	26.4 J	29,4 N*J		25.2 N*J	14 N*J	32.4 N*J	38.8 N*J	20.1 N*J	132 N*J	219 N*J	98.4 N*J	11.8 N*J
Nickel	13 or SB	15.6 EJ	34,3 EJ	204 E.I	24 EJ	19 EJ	11.9 EJ	9.6 EJ	60.7 EJ	44.8 EJ	20.1	17.2	14.9 J	18,8 J	24.7 J	25.6 J	19.8 J	98.1	38.8 J	15.1 J	11.8 N 3
Mercury	0.1	0,974 N*J	0.850 N*J	0.492 N*J	0.222 N*J	0.025 N*J	<b>,</b>	<del>                                     </del>	Ų	J	<u> </u>	0.183 NJ	<del></del>			0.494 NJ			1.8 NJ	2 NJ	0.069 NJ
Zinc	20 or SB	33,600 J		7,510 J	196 J	74.1 J	337 J	78.1 J	316.5	216 J	117 N*J					215 N*J					43.7 N×1

Notes:

SB: Site Background.

NS: No Standard.

MDL: Method Detection Limit,

(1): Sample TP-45-1 is a duplicate of TP-45.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### Inorganic Data Qualifers:

- E: Estimated value due to interferences.
- B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N: Spike sample recovery not within quality control limits.
- \*: Analysis is not within quality control limits.
- J: Estimated value flagged in data validation,

- VOCs were detected in seven test pit samples (TP-4, TP-30, TP-35, TP-42, TP-48, TP-49, and TP-55) at concentrations in excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. Elevated concentrations of VOCs detected in the samples from test pits TP-4 and TP-35 correlated with observations and field screening data (staining, odors, elevated PID readings), which indicated the presence of significant impacts in fill material in these test pits. In other test pits where VOC concentrations were detected in excess of the cleanup objectives there were observed impacts; however, they were lesser in degree versus those encountered in test pits TP-4 and TP-35. VOCs were detected in all of the remaining test pit samples at minimal concentrations that were below soil cleanup objectives. Concentrations of VOCs detected in test pit soils showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all test pit samples, with the exception of five samples (TP-18, TP-30, TP-32, TP-38, and TP-58) at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. SVOCs were detected in samples TP-18, TP-30, TP-32, TP-38, and TP-58, but at concentrations below soil cleanup objectives. Phenolic compounds were detected in samples from test pits TP-3 to TP-12, TP-16, TP-21, TP-26, TP-30, TP-34, TP-35, TP-OW-2, TP-45, and TP-48. These test pits generally contained industrial fill and foundry sand. Samples from test pits which contained mainly municipal fill (TP-13 to TP-15, TP-17 and TP-18) did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12, TP-16, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-OW-2, TP-38, TP-40, TP-42, TP-44, TP-46, TP-48, TP-53, TP-55, and TP-58) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was mainly present. The distribution of higher concentrations of SVOCs in the test pit samples appears to be related to the presence of industrial fill containing foundry sand and degraded oils.
- Pesticides were detected in test pit samples TP-1 to TP-3, TP-5, TP-9, and TP-11
  to TP-19 at concentrations below TAGM 4046 recommended soil cleanup
  objectives. Concentrations of pesticides detected were minimal and showed no
  discernible pattern of distribution across the Site.

- PCBs were detected in test pit samples TP-1, TP-3 to TP-5, TP-7 to TP-10, and TP-11 to TP-19.. Where detected, PCBs were present at concentrations below TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- A minimum of three metals were detected in all test pit samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- Cyanide was detected in only one test pit sample (TP-19). However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.
- Waste characterization analytical data for 10 soil samples collected from test pits (TP-5WC to TP-10WC, TP-13WC, TP14WC, TP-16WC AND TP-17WC) indicated that VOCs, SVOCs, pesticides, and herbicides were not detected. Several metals including, barium, chromium, cadmium, and lead were detected in eight of the ten samples; however, concentrations were below the maximum concentration of contaminants for the toxicity characteristic as defined by USEPA. Additional characterization analyses performed on the samples, which included flash point, corrosivity and reactivity indicated that the samples did not exhibit hazardous characteristics. Since the soil samples did not exhibit hazardous characteristics and because concentrations of contaminants detected (metals) were below the maximum concentrations for the toxicity characteristic, all of the soils and materials tested are classified as characteristically non-hazardous.

## 3.4.2 Surface Soil Analytical Results

Analytical results for surface soil samples are presented on Tables 3-6 and 3-7. A review of the analytical data for surface soils collected at 10 locations (SS-1 to SS-10) across the Site indicated the following.

- VOCs were detected in all samples; however, concentrations were below TAGM
- 4046 recommended soil cleanup objectives. Concentrations of VOCs detected in

# TABLE 3-6 2004 Surface Soil Sample Analytical Results VOCs and SVOCs Crouse-Hinds Landfills

	TAGM 4046				SAM	PLE ID / Sa	mple Denth	(feet)			
	Soil Cleanup	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
PARAMETER	Objectives (ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')
Volatile Organic Compounds (ppb)											
Methylene Chloride	100	ND	ND	2 J	ND	19	2 J	2 J	23 J	42	21 J
Acetone	200	25	3 J	27	70	12 J	13 J	6 J	3 J	36	16 <b>J</b>
Carbon Disulfide	2,700	ND									
Chloroform	300	ND	2 J	2 J	ND						
2-Butanone	300	ND	ND	ND	12 J	ND	ND	ND	ND	ND	ND
Toluene	1,500	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)											
Phenol	30 or MDL	ND	ND	ND	ND	ND	2,000	72 J	280 J	ND	200 J
2-Methylphenol	100 or MDL	ND	ND	ND	ND	ND	690	96 J	54 J	ND	110 J
4-Methylphenol	900	ND	ND	ND	95 J	ND	410 J	140 J	ND	ND	87 J
2,4-Dimethylphenol	NS	ND	ND	ND	ND	ND	320 J	ND	ND	ND	38 J
Naphthalene	13,000	ND	ND	ND	100 J	130 J	2,100	250 J	290 J	64 J	290 J
2-Methylnaphthalene	36,400	ND	ND	ND	150 J	160 J	3,000	270 J	250 J	67 J	380 J
Acenaphthylene	41,000	ND	ND	ND	ND	46 J	ND	ND	ND	ND	ND
Dimethylphthalate	2,000	ND	420								
Accnaphthene	50,000	ND	ND	ND	ND	46 J	130 J	ND	ND	ND	ND
Dibenzofuran	6,200	ND	ND	ND	ND	84 J	340 J	94 J	57 J	ND	100 J
Fluorene	50,000	ND	ND	ND	ND	ND	190 J	51 J	ND	ND	ND
Phenanthrene	50,000	730	180 J	100 J	950	1,000	1,500	610 J	200 J	460	470
Anthracene	50,000	150 J	ND	ND	160 J	220 J	380 J	120 J	ND	82 J	87 J
Di-n-butylphthalate	8,100	ND	56 J	60 J	110 J						
Fluoranthene	50,000	1,600	300 J	180 J	1,600	1,200	860	580	92 J	830	220 J
Pyrene	50,000	1,700	300 J	170 J	4,300 J	1,500	1,400	1,100 J	180 J	1,800 J	560 J
Butylbenzylphthalate	50,000	ND	ND	ND	160 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224 or MDL	810	140 J	71 J	1,200 J	640	450 J	330 J	ND	540 J	180 J
Chrysene	400	950	160 J	110 J	1,600 J	760	460	400 J	73 J	680 J	220 J
Bis(2-Ethylhexyl)phthalate	50,000	150 J	71 J	95 J	450 J	120 J	690	700 J	160 J	160 J	220 J
Di-n-octylphthalate	50,000	ND	ND	ND	ND	ND	79 J	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	1,200	200 J	130 J	3,000 J	980	500 J	530 J	93 J	1,100 J	330 J
Benzo(k)fluoranthene	1,100	500 J	72 J	54 J	1,100 J	280 J	190 J	160 J	ND	430 J	100 J
Benzo(a)pyrene	61 or MDL	810	130 J	82 J	1,700 J	620	350 J	310 J	50 J	680 J	180 J
Indeno(1,2,3-cd)pyrene	3,200	350 J	57 J	ND	940 J	320 J	150 J	170 J	ND	310 J	110 J
Dibenz(a,h)anthracene	14 or MDL	120 J	ND	ND	400 J	120 J	57 J	77 J	ND	120 J	ND
Benzo(g,h,I)perylene	50,000	330 J	52 J	ND	910 J	340 J	150 J	150 J	ND	330 J	130 J

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

J: Estimated Value,

## 2004 Surface Soil Sample Analytical Results Pesticides, PCBs and Metals Crouse-Hinds Landfills

	TAGM 4046				SAM	PLE ID / Sa	mple Depth	(feet)		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
D. D. L. S. EDWING	Soil Cleanup	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
PARAMETER	Objectives (ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')
Pesticides (ppb)											
beta-BHC	200	ND	1.2 J	1.6 J	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2,100	9.7 PJ	2 J	ND	ND						
4,4'-DDT	2,100	ND	ND	8,1 J	ND	ND	ND	ND	ND	ND	ND
PCBs (ppb)									****		
Aroclor 1242	(sec total)	190 PJ	14 JP	29	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	(see total)	980 DJ	21 J	73	ND	ND	ND	ND	18 J	56	ND
Aroclor 1260	(see total)	340 DJ	13 J	49	260	ND	ND	22 JP	30 J	130	ND
Total PCBs	1,000(1)	1,510	48	151	260	ND	ND	22	48	186	ND
Metals (ppm)	TAGM 4046 Soil Cleanup Objective (ppm)										
Selenium	2 or SB	1.2 B	ND	ND	0.79 BJ	0.63 B	ND	ND	ND	0.61 BW	ND
Mercury	0,1	0.24	0.093	0.12	0.4 J	0.26	ND	0.099	ND	0.089	ND
Arsenic	7.5 or \$B	6.1	2.7 B	8	5.1 J	2,6 B	0.92 B	1.3 B	3,4	12.4	ND
Barium	300 or SB	114	105	141	424 J	99.6	22 B	43.1 B	63,7	90.7	91.9
Beryllium	0.16 or SB	0.48 B	0.41 B	0.48 B	0.56 BJ	0.55 B	0.34 B	0.2 B	0,5 B	0,76 B	0.51 B
Cadmium	l or SB	17,4	ND	6.3 *	33.6 J	173	ND	0.27 B	ND	2.4	ND
Chromium	10 or SB	106	16.7	35.5	83,6 J	196	8.6	13.9	21.8	21.8	175
Cobalt	30 or SB	7.4 B	10,8 B	12.9 B	9.6 BJ	3.8 B	2.1 B	4,3 B	4.3 B	5.9 B	7,5 B
Copper	25 or SB	116	27.9	63.3	217 J	440	14.9	26.4	60,1	330	117
Iron	2,000 or SB	17,900	18,500	25,300	37,400 J	21,200	8,590	14,000	21,400	17,100	60,500
Lead	SB (2)	87,7	82.2	37.6 *	294 J	96.5	9,4 *	39,1	55.6	165	48.7
Nickel +	13 or SB	31.8	24.7	41	37.2 Ј	19.7	13.5	11,9	19	17.7	91,2
Silver	SB	4.1 NJ	ND	1,4 BNJ	2.6 BNJ	1.6 BNJ	ND	ND	ND	ND	ND
Vandium	150 or SB	16,5	16,7	19.9	37.5 J	11.6 B	3.4 B	7,8 B	9.2 B	15.9	19.6 B
Zinc	20 or SB	433 EJ	108 EJ	187 N*J	1,670 EJ	1,820 EJ	56 N*J	273 EJ	508 EJ	290 EJ	647 J
Total Cyanide	NS (3)	ND	ND	ND	7.8 NJ	49 NJ	ND	ND ND	2.2 J	ND	ND

ND: Compound not detected.

(1): Cleanup objective for surface soils.

NS: No Standard,

MDL: Method Detection Limit.

SB: Site Background,

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

(3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### Organic Data Qualifers:

- J: Estimated Value,
- D: Identified in analysis at secondary dilution factor.
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged. Inorganic Data Qualifers:
- E: Estimated value due to interferences.
- J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N: Spike sample recovery not within quality control limits.
- \*: Analysis is not within quality control limits.
- W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

- surface soil samples were minimal and showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. Phenolic compounds (phenol, 2-methylphenol, 4-methylphenol, and 2,4-dimethylphenol) were detected in four of the five surface soil samples collected on the north landfill (SS-6 to SS-8 and SS-10) where industrial fill, which contained foundry sand, was present. Concentrations of as many as two phenolic compounds detected in these samples were in excess of TAGM 4046 recommended soil cleanup objectives. Samples from areas across the south landfill (SS-1 to SS-5) where municipal fill was present contained one phenolic compound (4-methylphenol) in one sample (SS-4), which was detected at a concentration significantly below the applicable recommended soil cleanup objectives. Distribution of the remaining SVOCs detected in surface soil samples showed no discernible pattern across the Site.
- Pesticides were detected in three surface soil samples (SS-1 to SS-3) located across the south half of the south landfill at concentrations below TAGM 4046 recommended soil cleanup objectives. Pesticides were not detected in surface soil samples located across the remainder of the south landfill or the north landfill.
- PCBs (Aroclor's 1242, 1254 and 1260) were detected in one surface soil sample (SS-1), which is located near Ley Creek, at a total concentration slightly in excess of TAGM 4046 recommended soil cleanup objectives for total PCBs. PCBs (Aroclor's 1242, 1254 and 1260) were detected in six additional surface soil samples; however, concentrations of each aroclor and total PCB concentrations were below the recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed. The presence of PCBs at the Site, especially along the east bank of Ley Creek (near sample locations SS-1 to SS-3) may be attributed to the historic flooding of Ley Creek, which contains PCB contaminated sediments.
- A minimum of four metals were detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives.
   No discernable pattern of distribution across the Site was observed.

Cyanide was detected in three surface soil samples (SS-4, SS-4 and SS-8).
 However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.

## 3.4.3 Sediment Analytical Results

Analytical results for sediment samples collected along Ley Creek (SED-1 to SED-4, and SED-6) and from wetlands and streams located along the eastern sides of the north landfill (SED-15 to SED-19) and the south landfill (SED-10 to SED-14) are presented on Tables 3-8 to 3-11.

## 3.4.3.1 2004 Ley Creek Results

A review of the analytical data for sediment samples collected at five locations along Ley Creek (SED-1 to SED-4, and SED-6) indicated the following (Tables 3-8 and 3-9).

- VOCs were detected in all sediment samples; however, all concentrations were below NYSDEC sediment screening values. Concentrations of VOCs in upstream sample (SED-4) and downstream samples (SED-1 to SED-3 and SED-6) showed no discernable differences in concentrations or distribution along Ley Creek.
- SVOCs were detected in all sediment samples. Concentrations of six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation screening values. Concentrations of one additional SVOC were detected in four samples (SED-1 to SED-4) in excess of the benthic aquatic life chronic toxicity screening values. Generally, concentrations of SVOCs detected above sediment screening values were slightly higher in downstream samples SED-1, SED-2, and SED-3 with respect to upstream sample SED-4. One pesticide (gamma-BHC) was detected in the upstream sediment sample (SED-4) and in the duplicate sediment sample (SED-5), which was collected at the same location as downstream sediment sample SED-3 at concentrations below NYSDEC sediment screening values. Pesticides were not detected in the

## 2004 Sediment Sample Analytical Results **VOCs and SVOCs**

## Crouse-Hinds Landfills

	Human Health	Benthic Aquatic	Benthic Aquatic	Wildlife		SAM	PLE ID / Sa	mple Depth	(feet)	
PARAMETER	Bioaccumulation Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic Toxicity (ppb)	Bioaccumulation (ppb)	SED-1 (0' - 0.5')	SED-2 (0' - 0.5')	SED-3 (0' - 0.5')	SED-4 (0' - 0.5')	SED-5 (1) (0' - 0.5')	SED-6 (0' - 0.5')
Volatile Organic Compounds (ppb)										,
Acetone	NS	NS	NS	NS	64	80	39	59	31	150
2-Butanone	NS	NS	NS	NS	15 Ј	26	10 J	9 Ј	6 J	34
Toluenc	NS	139,000	2,898	NS	ND	60	ND	ND	ND	7 J
Chlorobenzene	NS	2,047	207	NS	ND	ND	ND	22	ND	ND
I,4-Dichlorobenzene	NS	NS	NS	NS	ND	ND	ND	6 J	ND	ND
Semi-Volatile Organic Compounds (ppb)										
Naphthalene	NS	15,261	1,775	NS	ND	94 J	ND	ND	ND	ND
2-Methylnaphthalene	NS	17,982	2,011	NS	ND	81 J	ND	ND	ND	ND
Acenaphthene	NS	NS	8,281 E	NS	120 J	160 J	93 J	63 J	ND	ND
Dibenzofuran	NS	NS	NS	NS	ND	85 J	ND	ND	ND	ND
Fluorene	NS	4,318	473	NS	120 Ј	170 J	96 J	80 J	72 J	ND
Phenanthrene	NS	NS	7,098 E	NS	1,400	2,400	1,300	1,200	970	570 J
Anthracene	NS	58,322	6,329	NS	240 J	410 J	230 J	200 J	180 J	97 J
Fluoranthene	NS	NS	60,333 E	NS	2,500	4,300	2,700	2,000	1,900	1,000
Pyrene	NS	519,041	56,843	NS	5,300 J	9,900 D	5,100 J	4,300 J	3,600 J	1,700 J
Butylbenzylphthalate	NS	NS	NS	NS	85 J	100 J	100 J	93 J	74 J	ND
Benzo(a)anthracene	77	5,560	710	NS	1,400 J	2,200 J	1,300 J	1,100 J	960 J	520 J
Chrysene	77	NS	NS	NS	2,000 J	3,200 J	1,800 J	1,600 J	1,200 J	700 J
Bis(2-Ethylhexyl)phthalate	NS	NS	11,800	NS	1,600 J	1,700 J	1,300 J	720 J	790 J	250 J
Di-n-octylphthalate	NS	NS	NS	NS	ND	110 J	ND	ND	ND	ND
Benzo(b)fluoranthene	77	NS	NS	NS	3,500 J	5,000 J	3,000 J	2,500 J	1,900 J	1,000 J
Benzo(k)fluoranthene	77	NS	NS	NS	1,300 J	1,700 J	890 J	780 J	740 J	330 J
Benzo(a)pyrene	77	NS	NS	NS	1,900 J	2,900 J	1,600 J	1,400 J	1,200 J	630 J
Indeno(1,2,3-cd)pyrene	77	NS	NS	NS	920 J	1,500 J	790 J	810 J	650 J	400 J
Dibenz(a,h)anthracene	NS	NS	NS	NS	290 Ј	470 J	290 J	280 J	290 Ј	180 J
Benzo(g,h,I)perylene	NS	NS	NS	NS	830 J	1,500 J	770 J	840 J	680 J	390 J

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments. E: EPA Proposed sediment quality criterion for the protection of benthic organisms.

ND: Compound not detected.

NS: No Standard,

(1): SED-5 is a duplicate sample of SED-3.

1,200

Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200

Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

## Organic Data Qualifers

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

## 2004 Sediment Sample Analytical Results Pesticides, PCBs and Metals Crouse-Hinds Landfills

	Human Health	Benthic Aquatic	Benthic Aquatic	Wildlife		SA	MPLE ID / Sa	mple Depth (1	(cet)	
PARAMETER	Bioaccumulation Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic Toxicity (ppb)	Bioaccumulation (ppb)	SED-1 (0' - 0.5')	SED-2 (0' - 0.5')	SED-3 (0' - 0.5')	SED-4 (0' - 0.5')	SED-5 (1) (0' - 0.5')	SED-6 (0' - 0.5')
Pesticides (ppb)										
gamma-BHC (Lindane)	NS	NS	NS	NS	ND	ND	ND	37 P	39 P	ND
PCBs (ppb)										
Aroclor 1242	0.047	163,301	1,142	83	1,800 DJ	3,000 DJ	2,900 DJ	2,200 DJ	2,700 DPJ	930 DJ
Aroclor 1254	0,047	163,301	1,142	83	1,100 DJ	1,200 DJ	1,600 DJ	1,200 DJ	1,600 DJ	770 DJ
Aroclor 1260	0.047	163,301	1,142	83	220 J	260 J	250 J	180.1	250 J	150J
Total PCBs	0.047	163,301	1,142	83	3,120	4,460	4,750	3,580	4.550	1,850
TOTAL ORGANIC CARBON	NS	NS	NS	NS	70,700	52,300	51,700	53,100	57,800	69,300
Metals (ppm)	Lowest Effect Level (ppm)	Severe Effect Level								
Selenium	NS	NS			ND	ND	ND	ND	ND	1.1 BW
Mercury	0.15	1,3			0.19 J	ND	ND	0.097	0.15 J	0,26
Arsenic	6	33			3.7 BJ	5,0 J	4,1 BJ	1.9 B	3.8 BJ	9
Barium	NS	NS			107 J	89.9 BJ	119	82.9	99.5 J	349
Beryllium	NS	NS			0.31 BJ	0.31 BJ	0.42 BJ	0.29 B	0.31 BJ	0.76 B
Cadmium	0.6	9			5.2 J	2.8 J	5.7 *J	0.66 BJ	2.6 J	21,13
Chromium	26	110			74,2 J	78.3 J	97.9 J	49.3	72.8 J	67.3
Cobalt	NS	NS			7,5 BJ	7.8 BJ	8.8 BJ	6.7 B	8.6 B J	6.4 B
Copper	16	110			102 J	105 J	120 J	89.1	105 J	99.1
Iron	20,000	40,000			16,400 J	14,600 J	18,800 J	13,900	18,600 J	32,400
Lead	31	110			80 J	80.3 J	:::171 *J:::	80.1	::::127:J::::	46*
Nickel	16	50			33.5 J	37.7 J	45.7 J	26,7	35.8 J	40.8
Silver	1	2			2.6 BNJ	2.4 BNJ	3 BNJ	2.4 BNJ	2.6 BN.I	2.9 BNJ
Vandium	NS	NS			16.6 BJ	18 BJ	20.4 BJ	15,1 B	19.1 BJ	20.2
Zinc	120	270			358 EJ	363 EJ	333 N*J	274 EJ	∴ 326 E.J	405 N*J
Total Cyanide	NS	NS			ND	ND	ND	ND	ND	ND

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

1,200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

1,200 Analyte detected at concentration in excess of Wildlife Bioaccumulation Criteria.

1,200 Analyte detected at concentration in excess of lowest effect level.

Analyte detected at concentration in excess of severe effect level.

#### Organic Data Qualifers:

J: Estimated Value.

- D: Identified in analysis at secondary dilution factor.
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged.
- Inorganic Data Qualifers:

E: Estimated value due to interferences.

- \*: Analysis is not within quality control limits.
- N: Spike sample recovery not within quality control limits.

- J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit,
- W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

## TABLE 3-10 2005 Sediment Sample Analytical Results VOCs and SVOCs Crouse-Hinds Landfills

									SAMPLE	D / Sample	Depth (feet	)			
	Human Health Bioaccumulation	Benthic Aquatic	Benthic Aquatic	Wildlife			South Landi	ill					Landfill	*****	
PARAMETER	Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic Toxicity (ppb)	Bioaccumulation	SED-10	SED-11	SED-12	SED-13	SED-14	SED-15	SED-16	SED-17	SED-18	SED-19	SED-19A
Volatile Organic Compounds (ppb)		Toxicity (ppb)	roxicity (ppb)	(ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' ~ 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(1)
Chloroethane	NS	NS	NS	NS	ND	ND	ND	ND	ND	\$14141414141414141414141414141414141414	10000000	1000000000			
Methylene Chloride	NS	NS	NS	NS	ND	ND	ND	ND	ND ND	ND	5 J	ND	ND	ND	ND
Acetone	NS	NS	NS	NS	ND		<del> </del>	<del></del>		ND	11	ND	ND	ND	ND
Carbon Disulfide	NS	NS	NS	NS	ND	ND ND	ND	ND	ND	2 J	5 J	ND	ND	ND	ND
Tetrachloroethene	800	NS	NS	NS	ND ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Toluene	NS	19,868	4,143	NS NS	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	NS	NS	ND ND	ND	ND	ND	ND	ND	2J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)					ND	UND COMMON	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Acenaphthylene	NS	NS	NS	NS	270 J	630 J	3.775	0.0000000000000000000000000000000000000							
Fluorene	NS	6,172	676	NS	ND ND		ND	250 J	230 J	700 J	L 008	ND	260 J	280 J	ND
Phenanthrene	NS	NS	10,145 E	NS	1,400 J	250 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	NS	83,362	9,046	NS	390 J	3,200 J	710 J	1,400 J	1,500 J	1,200 J	1,000 J	520 J	1,800 J	2,500 J	270 J
Carbazole	NS	NS	NS	NS	260 J	860 J	210 J	310 J	320 J	580 J	660 J	ND	440 J	560 J	ND
Di-n-butylphthalate	NS	NS	NS	NS	ND ND	580 J	ND	ND	ND	ND	ND	ND	270 J	350 J	ND
Fluoranthene +	NS	NS	86,236 E	NS	4,300	ND	1,600 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	· NS	741,886	81,248	NS	3,600 J	8,500	2,200 J	3,900 J	4,200 J	2,600 J	2,500 J	1,200 J	4,900 J	5,200 J	720 J
Butylbenzylphthalate	NS	NS	NS	NS	250 J	7,000 J 580 J	1,700 J	3,200 J	3,300 J	2,400 J	2,300 J	950 J	3,800 J	4,100 J	600 J
Benzo(a)anthracene	110	7,947	1,015	NS	2,000 J	4,200 J	ND 930 J	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	110	NS	NS	NS	2,200 J	4,200 J		1,600 J	1,600 J	1,000 J	1,000 J	560 J	2,400 J	2,600 J	360 J
Benzo(b)fluoranthene	110	NS	NS	NS	3,300 J		1,200 J	2,200 J	2,300 J	1,600 J	1,500 J	580.)	2,600 J	2,600 J	380 J
Benzo(k)fluoranthene	110	NS	NS	NS	1,200 J	6,800 J 2,400 J	1,700 J	3,200 J	3,200 J	2,300 J	1,800 J	980 J	3,600 J	3,400 J	550 J
Benzo(a)pyrene	110	NS	NS	NS	Alfana francisco de la constitución	PARAGON SALA DATA	570 J	1,100 J	1,100 J	ND	ND	ND	1,500 J	1,400 J	220 J
Indeno(1,2,3-cd)pyrene	110	NS	NS	NS	2,700 J 2,100 J	5,400 J 3,600 J	1,200 J	2,300 J	2,300 J	1,800 J	1,500 J	670 J	2,800 J	2,800 J	420 J
Dibenz(a,h)anthracene	NS	NS	NS	NS			830 J	1,500 J	1,500 J	1,100 J	930 J	460 J	2,100 J	1,500 J	320 J
Benzo(g,h,l)perylene	NS	NS	NS	NS	590 J 2,600 J	1,000 J 4,300 J	ND 000 t	400 J	370 J	ND	ND	ND	580 J	440 J	ND
Notes:				143	_ 2,000 J	4,500 J	990 J	1,800 J	1,700 J	1,300 J	1,000 J	530 J	2,600 J	1,700 J	420 J

#### Notes:

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

ND: Compound not detected.

NS: No Standard.

(1): SED-19A is a duplicate sample of SED-19.

E: EPA Proposed sediment quality criterion for the protection of benthic organisms.

1,200

Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200

Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

### Organic Data Qualifers:

J: Estimated Value.

B: Analyte found in the associated blank, as well as sample,

## TABLE 3-11 2005 Sediment Sample Analytical Results PCBs and Metals Crouse-Hinds Landfills

								SAMPLE	ID / Sample I	Depth (feet)			<u> </u>		
	Human Health	Benthic Aquatic	Benthic Aquatic	Wildlife			South Landfil			1		North	Landfill		
PARAMETER	Bioaccumulation Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic Toxicity (ppb)	Bioaccumulation	SED-10	SED-11	SED-12	SED-13	SED-14	SED-15	SED-16	SED-17	SED-18	SED-19	SED-19A
PCBs (ppb)	(1000)	is in the second	Toxicity (ppb)	(ddd)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(1)
Aroclor 1248	0.068	233,413	1.000	*************			400000000								
Aroclor 1254	0.068	· · · · · · · · · · · · · · · · · · ·	1,632	118	ND	ND	ND	490	1:100 J	66,000	84,000	13,000	2,800 1	300	410
Aroclor 1260	0.068	233,413	1,632	118	ND	ND	2,800	420	480 J	ND	17,000 J	4.900 J	1,800 J	210	380
Total PCBs		233,413	1,632	118	320		ND	240	ND R	ND	ND	ND	ND	180	400
·	0.068	233,413	1,632	118	320	510	2,800	1,150	1,580	66,000	101,000	17,900	4,300	690	1,190
TOTAL ORGANIC CARBON (ppm)	NS	NS	NS	NS	89,000 J	75,000 J	140,000 3	_67,000 J	50,000 J	65,000 J	150,000 J	120,000 J	48,000 J	74,000 J	52,000 J
Metals (ppm)	Lowest Effect Level (ppm)	Severe Effect Level (ppm)													
Aluminum	NS	NS			7,930 J	12,600 J	12,400 J	9,530 J	8,590 J	14,800 J	18,700 J	14,900 J	9.830 J	5,670 J	7,650 J
Antimony	2	24			5.1 BNJ	3.3 BNJ	4.5 BNJ	L4 BNJ	1.5 BNJ	2,3 BNJ	ND	5.6 BNJ	2.6 BNJ	1.7 BNJ	2,2 BNJ
Arsenic	6	33			12,8 *J	10.5 *J	20,3 *J	8,9 *J	7.5 *J	16 *J	30.5 *J	24.4 *J		5.6 *J	***************************************
Barium	NS	NS			251 J	34 J	333 1	199 J	156 J	54 J	387 J		12.1 *J		8.8 *J
Beryllium	NS	NS			0.5 BJ	0.69 BJ	0.73 BJ	0.52 BJ	0.46 BJ	1.I BJ	1.3 BJ	213 J 1.1 BJ	121 J	72.7 J	113 J
Cadmium	0,6	9			53.7 *J	20.4.*1	82.6 4.1	4 0 * J · · ·	17.5 *J	10.8 (J	1.3 BJ	98.7.*J	I.I BJ	0.45 BJ	0.48 BJ
Calcium	NS	NS			95,600 *J	99.200 *J	62,500 *J	64,300 *J	63,200 *J	94,500 *J	28,400 *J		12.6 *J···	3.4 *J	10.8 *J
Chromium	26	110			82.8 N*J	71.7 N*J	127 N.J.	86.2 N*J	78.3 N*J	2.930 N*J	i	41,000 *J	39,400 *J	13,900 *J	41,200 *J
Cobalt	NS	NS			18,4 J	7.4 BJ	7 BJ	10 BJ	6 BJ	13.8 BJ	17.5 BJ	<u> </u>	::270:N*J	28.4 N*J	85.5 N*J
Copper	16	110			238 N <sup>A</sup> J	231 N*J	253 N J	126 N*J	iji n*j	1,070 N*J	2,440 N*J	10.7 BJ	7.4 BJ	4.2 BJ	5.9 BJ
Iron *	20,000	40,000			34,700 *J	37,400 *J	40,600 *J	29,900 *J	23,000 *J	29,100 *J	44.300 °J	26,500 *J	354 N*3	∵ 260 N*J	237 N*J
Lead	31	110			249 *J	301*3	204 * J	169*1	110 *J	29,100 ×3	375 *j	26,500 *J	22,600 *J	18,900 *J	18,100 *J
Magnesium	NS	NS			16.000 *J	18,500 *J	8,430 *J	14,600 *J	15,100 *J	14,000 *J				68.5 *J	133 * J
Manganese	460	1,100			1.360 N*J	495 N*J	375 N*J	988 N*J	299 N*J	508 N*J	13,200 *J 338 N*J	9,910 *J 764 N*J	4,450 *J	3,890 *J	9,570 *J
Nickel	16	50			33.5 *J	36.2 *J	48.7 *J	38.4 *J	31.8 *J	977*1	1,990 +5	775 *J	528 N*J	165 N*J	292 N*J
Potassium .	NS	NS			1,340 J	1,810 J	1,740 BJ	·	I		<u> </u>		203 * 1	29.6 *J	99,5+3
Selenium	NS	NS			1,7 BJ	1,810 J	2,7 BJ	1,710 J 1.6 BJ	1,730 J 1.1 BJ	3,490 J 2.7 BJ	4,040 J 3.7 BJ	2,860 BJ	1,400 BJ	1,070 J	1,450 J
Silver	1	2.2			0.58 BJ	0.75 BJ	0.86 BJ	1.0 BJ	(m. 11.11.11.11.11.11.11.11.11.11.11.11.11			4.3 BJ	3,6 BJ	0.85 BJ	2.1 BJ
Mercury	0.15	1.3			0,292 N*J	0.75 B3	0.452 N*J	0.265 N*J	1.3 BJ	7.7	11.6 jr	3.1 BJ	0.81 BJ	0.56 BJ	0,43 BJ
Sodium	NS	NS			374 BJ	639 BJ	' <del>'</del>	`	0.192 N*J	0.685 N*J	0.62 N*J	0.437 N*J	0.437 N*J	0.156 N*J	0.248 N*J
Thallium	NS	NS			ND	ND ND	1,030 BJ	490 BJ	480 BJ	4,920 J	2,440 BJ	2,200 BJ	1,090 BJ	297 BJ	487 BJ
Vandium	NS	NS			26.8 J	39,3 J	ND 36.6 J	ND 28.2 J	ND 22.7.1	ND	ND CO.T.	ND	ND	ND	ND
Zinc	120	270			2.050 N*J	39.3 J	(F)	28,2 J 952 N*J	22.3 J	39.1 J 926 N*J	50.7 J	53.6 J	32.7 J	16.9 J	22.3 J

Notes:

Sediment criteria were adjusted based on average TOC concentrations for all samples. Adjustments were made per NYSDEC's Technical Guidance for Screening Contaminated Sediments.

ND: Compound not detected.

NS: No Standard.

(1): SED-19A is a duplicate sample of SED-19.

1,200 Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1200 Analyte detected at concentration in excess of Wildlife Bioaccumulation Criteria.

1,200

Analyte detected at concentration in excess of Benthic Aquatic Life Chronic Toxicity Criteria.

1,200

Analyte detected at concentration in excess of lowest effect level.

1,200

Analyte detected at concentration in excess of severe effect level.

#### Organic Data Qualifers:

J: Estimated Value.

R: Data rejected by validation.

#### Inorganic Data Qualifers:

- \*: Analysis is not within quality control limits.
- N: Spike sample recovery not within quality control limits.
- B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- J: Estimated value flagged in data validation.

- downstream sediment samples (SED-1, SED-2 and SED-6), which were collected along the west side of the south landfill.
- PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples. Concentrations of Aroclors 1242, 1254, and 1260 exceeded the human health and wildlife bioaccumulation screening values for all samples. Concentrations of Aroclor 1242 detected in samples SED-1 to SED-4 and Aroclor 1254 detected in samples SED-2 to SED-4 exceeded the benthic aquatic life chronic toxicity screening values. Concentrations of total PCBs exceeded the human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar and showed no discernable differences in concentration between any of the sampling locations. Note: PCB impacts in sediment have been documented in Ley Creek during sediment sampling activities conducted by others in 1996 and 1997. The PSA results will be compared to these data that were generated by others in Section 4.0 of this report.
- At least seven and as many as ten metals were detected in all sediment samples at
  concentrations which exceeded sediment-screening values for lowest and severe
  effect levels. Concentrations of metals detected in sediment samples at upstream
  and downstream locations were similar and showed no discernable differences in
  concentration between any of the sampling locations.
- Cyanide was not detected in any sediment sample.

## 3.4.3.2 Eastern Site Sediment Results

A review of the analytical data for sediment samples collected from wetlands and streams located along the east side of the north landfill (SED-15 to SED-19) and the east and south sides of the south landfill (SED-10 to SED-14) indicated the following (Tables 3-10 and 3-11).

VOCs were detected in three sediment samples (SED-12, SED-15, and SED-16)
 at concentrations significantly below NYSDEC sediment screening values.

- SVOCs were detected in all sediment samples. Concentrations of between five and six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation screening values. Concentrations of one additional SVOC were detected in six samples (SED-10, SED-11, SED-13, SED-14, SED-18 and SED-19) in excess of the benthic aquatic life chronic toxicity screening values. Concentrations of SVOCs detected in sediment samples were generally slightly higher in downstream samples versus upstream samples along the east sides of both landfills.
- Up to three PCB Aroclors (1248, 1254 and 1260) were detected in all sediment samples. In each sediment sample, at least one Aroclor was detected at a concentration in excess of two or more of the applicable sediment screening values. Concentrations of total PCBs in each sample exceeded at least two or more of the applicable sediment screening values.
- Concentrations of PCBs detected in sediment samples SED-15, SED-16 and SED-17, which were collected in the wetland area located along the east side of the north landfill were the highest detected in all sediment samples collected onsite. Concentrations of total PCBs in these samples ranged from 17.9 ppm (SED-17) to 101 ppm (SED-16). Concentrations of PCBs detected in sediment samples collected in the stream reach draining the wetland showed decreasing concentrations of PCBs (4.3 ppm at SED-18 and 0.69 ppm at SED-19) with distance downstream of the wetland area.
- Concentrations of PCBs detected in sediment samples SED-10 and SED-11, which were collected in the stream reach located along the east side of the south landfill were lower (0.32 ppm to 0.51 ppm, respectively) than concentrations detected in samples collected from the downstream wetland area (SED-12 to SED-14) to which the stream discharges. Concentrations of total PCBs in samples collected in the wetland area ranged from 1.15 ppm (SED-13) to 2.8 ppm (SED-12).
- At least seven and as many as twelve metals were detected in all sediment samples at concentrations which exceeded sediment-screening values for lowest and severe effect levels. Generally, concentrations of metals detected in sediment

samples at upstream and downstream locations were similar and showed no discernable differences between any of the sampling locations.

## 3.4.4 Surface Water Analytical Results

Analytical results for surface water samples collected along Ley Creek (SW-1 to SW-4) and from wetlands and streams located along the east side of the north landfill (SW-15 to SW-19) and the east and south sides of the south landfill (SW-10 to SW-14) are presented on Tables 3-12 and 3-13.

## 3.4.4.1 Ley Creek Results

A review of the analytical data for surface water samples collected at four locations along Ley Creek (SW-1 to SW-4) indicated the following (Table 3-12).

- One VOC (total 1,2-Dichloroethene) was detected in all samples at low concentrations (between 4 ppb and 7 ppb). However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface waters could not be made. Concentrations of 1,2-Dichloroethene (total) in the upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek.
- One SVOC (Bis (2-Ethylhexyl) phthalate) was detected in all surface water samples at concentrations slightly in excess of the NYSDEC Class C surface water standard. (Note: This analyte was also detected in the co-located sediment samples.) Two other SVOCs were detected in the surface water samples; however, concentrations were below the applicable surface water standards. Concentrations of SVOCs detected in the upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek.

One pesticide (gamma-BHC) was detected in the upstream (SW-4) and downstream (SW-1) surface water samples at low concentrations. (Note: This

## 2004 Surface Water Sample Analytical Results VOCs, SVOCs, Pesticides, PCBs and Metals Crouse-Hinds Landfills

	NYSDEC Class C			SAMPLE ID		
	Surface Water	SW-1	SW-2	SW-3	SW-4	SW-5 (2)
PARAMETER	Standard (ppb)					
Volatile Organic Compounds (ppb)						
Total-1,2-Dichloroethene	NS	· 4 J	5 J	7 J	7 J	7 J
Semi-Volatile Organic Compounds (ppb)						
Di-n-butylphthalate	NS	ND	ND	2 J	4 J	12 J
Bis(2-Ethylhexyl)phthalate	1	3 J	8 J	3 J	3 J	7 J
Benzo(b)fluoranthene	NS	ND	4 J	ND	IJ	ND
Pesticides (ppb)						
gamma-BHC (Lindane)	NS	0.02 JP	ND	ND	0.03 J	0.01 J
PCBs (ppb)						
Aroclor 1242	0.000001	ND	ND	ND	0.86	ND
Total PCBs	0.000001	ND	ND	ND	0.86	ND
Metals (ppm)						
Selenium	5	1.4 BS	1.8 BW	ND	1.3 BW	ND
Mercury	0.0007	ND	ND	ND	ND	ND
Arsenic	150	3,4 B	ND	ND	4.7 B	ND
Barium	NS	151 B	142 B	106 B	174 B	106 B
Beryllium	11	ND	ND	ND	ND	ND
Cadmium	NS (1)	ND	1.1 B	ND	I B	ND
Chromium	NS (1)	9.5 B	18.8	2.8 B	30.4	2.2 B
Cobalt	5	3.6 B	ND	ND	4.6 B	ND
Copper	NS (1)	17.6 B	34.1	6.1 B	60.2	6.2 B
Iron	300	4,460	5,700	994	11,000	958
Lead	NS (1)	22.8	38.8	11.3	84.2	11.9
Nickel	NS (1)	9.1 B	11.6 B	4.3 B	26.I B	4.3 B
Silver	1.0	ND	ND	ND	ND	ND
Vandium	14	4.5 B	7 B	ND	13.1 B	ND
Zinc	NS (1)	76.4	137	12.8	298	12.1
Total Cyanide	9,000	ND	ND	ND	ND	ND

### Notes:

ND: Compound not detected.

NS: No Standard.

(1): No standard. The Standard is calculated based on total hardness, which was not analyzed. Therefore, a standard could not be calculated.

(2): SW-5 is a duplicate sample of SW-3.

Analyte detected at concentration in excess of NYSDEC Class C Surface Water Standard.

## Organic Data Qualifers:

J: Estimated Value.

### Inorganic Data Qualifers:

P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns.

The lower of the two values is reported and flagged.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

S: Value determined by Method of Standard Addition.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

## 2005 Surface Water Sample Analytical Results VOCs, SVOCs and Metals Crouse-Hinds Landfills

	NYSDEC Class C	SAMPLE ID										
n i n i Names	Surface Water	SW-10	SW-11	SW-12	SW-13	SW-14	SW-15	SW-16	SW-17	SW-18	SW-19	SW-19A
PARAMETER	Standard (ppb)	South Landfill	North Landfill	North Landfill	North Landfill	North Landfill	North Landfill	(1)				
Volatile Organic Compounds (ppb)												
Chloroethane	NS	ND	ND	ND	ND	ND	ND	58	ND	ND	ND	ND
Methylene chloride	200	ND	ND	ND	ND	ND	ND	3,700 D	68	59	34	35
Acetone	NS	2 J	6 J	2 J	ND	ND	ND	2 J	7 J	7 J	5 J	5 ]
1,1-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	5 J	ND	ND	ND	ND
1,1,1-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Trichloroethene	40	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND
Benzene	10	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND ND	ND
Tetrachloroethene	1 GV	ND	ND	ND	ND	ND	ND	1.J	ND	ND	ND	ND
Toluene	6,000	ND	ND	ND	ND	ND	ND	310 D	ND	ND	ND	ND
Trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND ND
Semi-Volatile Organic Compounds (ppb)								***************************************	110	ND		UND Company of the
Phenanthrene	45 GV	ND	8 J	ND	0.5 J	ND	ND	ND	ND	ND	ND	ND
Anthracene	35 GV	ND	3 J	ND	ND	ND	ND	· ND	ND	ND	ND	ND
Fluoranthene	NS	2 J	26 J	ND	1 J	0.3 J	ND	ND	ND	ND	ND	ND ND
Ругепе	42 GV	2 J	21 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND-
Benzo(a)athracene	0,03 GV	1 J	12 J	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND
Crysene	NS	1 J	14 J	ND	0.8 J	ND	ND	ND	ND	ND	ND ND	ND
Benzo(b)fluoranthene	NS	3 J	21 J	ND	1 J	ND	ND	ND	ND	ND	ND	ND ND
Benzo(k)fluoranthene	NS	3 J	8 J	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0,0012 GV	2 Ј	16 J	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND ND
Indeno(1,2,3-cd)pyrene	NS	ND	15 J	ND	0.6 J	ND	ND	ND	ND	ND	ND ND	ND ND
Dibenzo(a,h)anthracene	NS	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NS	ND	19 J	ND	0.7 J	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)									HALL HALL	ND	עא	<u>מא</u>
Cadmium	6.6 (2)	28.2	83.9	4.3 B	1.4 B	3.1 B	0.42 B	6.3	10,7	ND	0.61 B	0.84 B
Calcium	NS	135,000	341,000	146,000	88,100	87,400	141,000	119,000	82,100	100,000	118,000	109,000
Chromium	250 (2)	37.1	154	0.78 B	4,9 B	11.1	54	332	109	7.1 B	7.6 B	7.5 B
Lead	17.9 (2)	104	675	ND	6,4	13.6	6.2	44.2	51	ND	7.6 B 3.4	7.5 B 3.9
Magnesium	NS	20,000	59,100	24,700	16,100	16,500	27,200	39,500	20,400	21,100	24,400	22,800 B
Nickei	180 (2)	17.6 B	83.2	4.9 B	5,2 B	9.3 B	30.1 B	166	71,2	18.4 B	19.9 B	19.7 B
Zinc	290 (2)	848	3,500	157	50	102	44.9	329	353	18 B	27.6	34.6

#### Notes:

ND: Compound not detected.

NS: No Standard.

GV: Guidance Value

(2): The Standard was calculated based on total hardness, which was derived from calcium and magnesium concentrations. The mean total hardness of 434 ppm was used to calculate the Standard.

1,200

Analyte detected at concentration in excess of NYSDEC Class C Surface Water Standard.

#### Organic Data Qualifers:

#### J: Estimated Value.

## Inorganic Data Qualifers:

B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

5/25/2006 D. Identified in analysis at secondary dilution factor.

<sup>(1):</sup> SW-19A is a duplicate sample of SW-19.

- analyte was also detected in duplicate sample SW-5.). However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface waters could not be made.
- One PCB (Aroclor 1242) was detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard.
   PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface waters is upstream of the Site.
- One metal (iron) was detected in all surface water samples at concentrations in
  excess of the NYSDEC Class C surface water standard. Other metals were
  detected in all of the surface water samples; however, concentrations were below
  the applicable surface water standards. Concentrations of metals detected in the
  upstream surface water sample (SW-4), generally were higher than those detected
  in the downstream surface water samples (SW-1 to SW-3), which indicates an
  upstream source.
- Cyanide was not detected in any surface water sample.

## 3.4.4.2 Eastern Site Surface Water Results

A review of the analytical data for surface water samples collected from wetlands and streams located along the east side of the north landfill (SW-15 to SW-19) and the east and south sides of the south landfill (SW-10 to SW-14) indicated the following (Table 3-13).

• Methylene chloride was detected in one sample (SW-16) collected in the wetland area on the east side of the north landfill at a concentration in excess of the NYSDEC Class C surface water standard. Nine other VOCs were also detected in this sample; however, concentrations were below the applicable surface water standards. Methylene chloride and/or acetone were detected in six of the ten surface water samples collected along the east side of both landfills. Besides these analytes, no other VOCs were detected in any of the surface water samples, with the exception of sample SW-16 as noted previously.

- SVOCs were not detected in surface water samples (SW-15 to SW-19) collected
  on the north landfill. SVOCs were detected in four of the five surface water
  samples (SW-10, SW-11, SW-13, and SW-14) collected on the south landfill at
  concentrations below NYSDEC Class C surface water standards.
- Phenolic compounds (total recoverable and/or individual phenolic compounds)
   were not detected in any of the surface water samples.
- Metals (cadmium, lead, and zinc) were detected in two upstream surface water samples (SW-10 and SW-11), which were collected from the stream located along the base of the eastern side (central portion) of the south landfill at concentrations in excess of calculated NYSDEC Class C surface water standards. Metals were also detected in surface water sample SW-16 (chromium, lead and zinc) and SW-17 (cadmium, lead, and zinc), which were located in areas of open water and wetlands along the east side of the north landfill at concentrations in excess of calculated NYSDEC Class C surface water standards. Other metals were detected in all of the surface water samples; however, concentrations were below the applicable surface water standards.

## 3.4.5 Leachate Sample Analytical Results

Analytical results for leachate samples are presented on Table 3-14. Leachate samples were collected from a seep in the east side of the south landfill (L-1) and from an area of ponded water/leachate on the north landfill (L-2). Because these surface water discharges are not part of any New York State classified water body, there are no applicable surface water quality standards available for comparison purposes with the analytical data. Therefore, the closest standards that these samples could be compared to are Class D surface water standards. A review of the analytical data for leachate samples collected at locations L-1 and L-2 versus the Class D surface water standards indicated the following.

• VOCs were detected in both leachate samples at concentrations significantly below Class D surface water standards.

## 2004 Leachate Sample Analytical Results VOCs, SVOCs, and Metals

## Crouse-Hinds Landfills

	NYSDEC Class D		
PARAMETER	Surface Water Standard (ppb)	L-1	L-2
Volatile Organic Compounds (ppb)			
Acetone	NS	12	ND
Benzene	10	ND	2 J
Toluene	6,000	ND	2 J
Chlorobenzene	400	2 Ј	ND
Semi-Volatile Organic Compounds (ppb)			
Di-n-butylphthalate	NS	4 J	ND
Bis(2-Ethylhexyl)phthalate	NS	4 J	2 J
Total Recoverable Phenolic Compounds	1 (2)	49	40
Metals (ppm)			
Selenium	5	ND	2.5 BW
Mercury	0.0007	ND	ND
Arsenic	150	14.4	3.2 B
Barium	NS	739	83.6 B
Beryllium	11	ND	ND
Cadmium	NS (1)	50.6	ND
Chromium	NS (1)	15.8	ND
Cobalt	5	7 B	ND
Copper	NS (1)	63	9.1 B
Iron	300	78,200	14,300
Lead	NS (1)	51.6	9.2
Nickel	NS (1)	15.7 B	5.3 B
Silver	0.1	ND	ND
Vandium	14	4.8 B	ND
Zinc	NS (1)	1,360	39.2
Total Cyanide	9,000	0.019	ND

### Notes:

ND: Compound not detected.

NS: No Standard.

(1): No standard. The Standard is calculated based on total hardness, which was not analyzed. Therefore, a standard could not be calculated.

(2): The standard for total chlorinated phenols is 1.0 ppb, whereas the standard for total unchlorinated phenols is 5.0 ppb. The lower standard was used for comparisson purposes.

5 Analyte detected at concentration in excess of NYSDEC Class D Surface Water Standard.

## Organic Data Qualifers:

J: Estimated Value.

## Inorganic Data Qualifers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%)

while sample absorbance is less than 50% of spike absorbance.

- SVOCs were detected in both leachate samples. Concentrations of total recoverable phenolic compounds in both samples were above Class D surface water standards. No specific phenolic compounds were detected in the leachate samples.
- Iron was detected in both leachate samples at concentrations above the Class D surface water standard.
- Pesticides and PCBs were not detected in any leachate sample.
- Cyanide was detected in leachate sample L-1 at a concentration significantly below Class D surface water standard.

## 3.4.6 July 2004 Groundwater Analytical Results – Shallow Aquifer

Analytical results for groundwater samples collected from the shallow aquifer (W-1S, W-2S, W-3S, MW-1N, MW-2N, MW-3N, MW-4A, MW-6A, MW-8A, MW-9A, MW-10 and MW-11A) during the July 2004 sampling event are presented on Table 3-15. A review of the analytical data indicated the following.

- At least one VOC and as many as four were detected in five of the twelve shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) at concentrations in excess of NYSDEC Class GA groundwater standards. VOCs were detected in four of the remaining seven shallow groundwater samples (MW-3N, MW-8A, MW-9A and W-2S); however, concentrations of all detected VOCs were below applicable groundwater standards. Groundwater impacted with VOCs above applicable standards was present in wells located along the western side and in the northeast corner of the north landfill (Figure 3-2). Monitoring wells located in these areas are downgradient of the north landfill and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs.
- SVOCs were detected in all of the shallow well groundwater samples, with the
  exception of W-1S and MW-3N. Generally, concentrations of all SVOCs
  detected in the wells were below the NYSDEC Class GA groundwater standards.
  However, in sample MW-6A several SVOCs were detected at concentrations

#### TABLE 3-15 2004 Groundwater Sample Analytical Results VOCs, SVOCs, Pesticides, PCBs and Metals Crouse-Hinds Landfills

	NYSDEC	SAMPLE ID																				
	Class GA	North Landfüll										South Landfill										
PARAMETER	Groundwater Standard (ppb)	MW-1N Shallow Woll	MW-2N	MW-3N	MW-4A	MW-4B	MW-5	MW-6A	MW-6B	MW-7	MW-8A	MW-8B	MW-9A	, MW-9B	MW-10	MW-11A	MW-11B	MW-12	MW-13	W-1S	W-2S	W-3S
Volatile Organic Compounds (ppb)	Sundara (ppo)	Shallow Wol	Shallow Well	Shallow Wall	Shullow Wall	Deep Well	Deep Well	Shallow Well	Doey Well	Deep Woll	Shallow Well	Doep Well	Shallow Well	Deap Wall	Shallow Woll	Shallow Walt	Deep Well	(1)	(1)	Shallow Well	Shallow Well	Skallow Well
Chloroethane	5	190 D	ND	ND	ND	********		3000000	100000000000000000000000000000000000000	11000000												
Methylene Chloride		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND .	ND	ND
Acetone	50	23 JD	ND	101	22	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND .	ND	ND ND	37 J ND	ND ND	ND	7 J	ND	8 J	ND	ND	13	ND	ND	4 J	ND	4 J	ND
Benzene	1	6 JD	6.5	ND	3 J	ND	ND	10 J	ND	ND ND	ND	ND	ND	1 J	ND	ND	ND	1 J	ND	ND	ND	ND
Toluene	5	ND	ND	IJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J	ND	6 J	ND	ND	ND	ND
Chlorobenzene	5	32 JD	40	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	9 J	ND	ND			ND	ND	ND	ND	ND	42	ND	ND	ND	ND
1,4-Dichlorobenzene	3	3 J	8 J	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	2 J	1.7	ND	ND	ND	ND	ND	ND	מא	ND		ND	ND	ND	ND	ND	8 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)	2444646				2000.0		10117417	444444	100 ND	. ND	- ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Naphthalene	10	ND	5 J	ND	ND	ND	1 J	ND	2 J	ND	ND	ND	ND	2								
2-Methylnaphthalene	NS	2 J	2 J	ND	ND	ND	1 J	ND	1.J	ND	ND	ND	ND	3 J	ND	1.7	ND	4 J	ND	ND	ND	ND
Acenaphthene	20	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J ND	ND ND	11	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	73 J	ND	ND	ND	ND	ND	ND	ND	·	ND	ND	1.7	ND	ND	3 J
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	1.J	ND	ND	ND	ND	1 J ND	ND ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	85 J	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	97 J	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	5	ND	4 J	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND	ND
Total Phenols	1	1,360	10	ND	15	ND	39	27	ND	ND	12	ND	16	ND	13	36	ND		3 J	ND ND	ND	3 J
Pesticides (ppb)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND ND	ND	IO ND	ND ND	ND	20	15 ND
PCBs (ppb)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND		ND	ND
Metals (ppb)			933933	1000000	1111111111	4334344	1411111111	110000	11.	24024		1000000	112		1412		ND ND		ND	ND	ND	1117
Mercury	0,7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	25.0	7.4 B	18.3 B	2.0 B	7.2 B	5.7 B	4.9 B	2,7 B	17.1 B	5.6 B	9.7 B	3.2 B	2.3 B	8.0 B	ND	28.1 B	ND	ND	17.6 B
Barium	1,000	148 B	254.0	1,010	133 B	27.3 B	46.8 B	60.6 B	27,7 B	29.5 B	173,0 B	24.4 B	1,170	24.0 B	232.0	127.0 B	24.7 B	244.0	73,8 B	126.0 B	2,350,0	65.4 B
Beryllium	3	0.79 B	0,31 B	1.3 B	2,4 B	3.0 B	ND	ND	0.74 B	1.3 B	ND	5.8 B	1.7 B	2.1 B	ND	ND	1.0 B	ND	5,2 B	0,36 B	1.3 B	4.6 B
Cadmium	5	ND	ND	6.4	1.6 B	1,1 B	ND	0.55 B	ND	ND	ND	2.2 B	1.5 B	ND	ND	ND	ND	ND	ND	ND	מא	ND
Chromium	50	5.1 B	1.8 B	9,4 B	5,5 B	4.9 B	2.1 B	85,6	2,5 B	5.4 B	2.3 B	6.5 B	3,8 B	3.3 B	9.4 B	4,6 B	4.2 B	1.2 B	10.0 B	2.8 B	4,2 B	8,9 B
Cobalt	NS	4.5 B	7,4 B	6,5 B	6.2 B	9.4 B	2.7 B	ND	4,9 B	10.0 B	3,3 B	11.9 B	10,4 B	8.2 B	5.2 B	4,4 B	8.0 B	5.8 B	21.9 B	3.8 B	8.1 B	20,0 B
Copper	200	2.8 B	ND	91,4	8.4 B	14.9 B	1.7 B	11.2 B	3.7 B	15.2 B	1.8 B	20.8 B	10.4 13	13.5 B	9.1 B	2.5 B	9,1 B	6.2 B	31.8 B	3.4 B	12.0 B	53.6 B
Iron	300	21,800 NJ	53,900 NJ	29,800 NJ	14,200 NJ	4,870 BJ	716 NJ	1,550 NJ	3,030 NJ	6,070 NJ	2,040 NJ	3,890 NJ	12,700 NJ	7,070 NJ	12,400 NJ	10,000 NJ	5,260 NJ	52,400 NJ	17,100 NJ	3,100 NJ	16,600 NJ	17,800 N
Lend	25	8,6	9.7 NJ	351 NJ	7.3	5.8 B	ND	5,5	1.6 B	ND	ND	7.8 BNJ	2.3 B	ND	5.1	2.9 BNJ	ND ND	9.2 NJ	11,2 B	3.9 B	ND ND	ND ND
Nickel	100	2.3 B	29.4 B	7.0 B	6.0 B	ND	ND	6.0 B	ND	ND	ND	6.6 B	5,4 B	ND	27.0 B	2,3 B	ND	28.5 B	ND	ND	ND	ND
Selenium	10	10.6	14,3 NJ	22.3 NJ	18,5	ND	ND	9.6 B	9.1 B	ND	ND	20.8 NJ	ND	ND	ND ND	ND	ND	14.3 NJ	49.0 B	10,3	ND	ND
Silver	50	ND	2.6 BJ	3.1 BNJ	ND	12.8 BNJ	ND	ND	5.0 BNJ	8.0 BNJ	ND	9.3 BNJ	7,2 BNJ	10.3 BNJ	ND	ND	10.2 BJ	ND	28.1 BNJ	2.7 BNJ	7.9 BNJ	22.4 BN
Vandium	NS	ND	ND	9.7 B	4.2 B	ND	ND	3,2 B	ND	ND	ND	5.5 B	ND	ND	4.4 B	ND	ND	ND .	ND ND	ND ND	ND ND	ND ND
Zinc	2,000	19,9	13.3 B	2,650.0	13.9 B	29,7 B	8.3 B	43,9	10.8 B	39.8 B	8,2 B	39,3 B	107	32.8 B	5,160	13,0 B	42.6	14.5 B	111.0	16.4 B	37.4 B	132.0
Total Cyanide	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	מא	ND	ND	ND	ND	ND	ND ND	ND	ND ND	ND
Notes:				<u></u>				<u></u>						1,50		1,70	110	140	140	MD	IND	ND

ND: Compound not detected,

NS: No Standard.

(1): MW-12 is a Duplicate of MW-2N and MW-13 is a Duplicate of W-1S.

1,200 Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard

#### Organic Data Qualifers;

J: Estimated Value.

B: Analyte detected in blank as well as in the sample.

D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifers:

J or B; Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

N: Spike sample recovery not within quality control limits.

- above groundwater standards. The presence of these SVOCs in sample MW-6A may be related to the presence of floating free phase petroleum residuals, which were detected in the well during sampling and the well inspection survey.
- Total recoverable phenolic compounds were detected in all samples, with the
  exception of samples W-1S and W-MW-3N at concentrations in excess of
  NYSDEC Class GA groundwater standards. However, no individual phenolic
  compounds, which are identified by USEPA Method 8270 analyses, were
  detected in any of the groundwater samples where total recoverable phenolic
  compounds were detected.
- Pesticides, PCBs and cyanide were not detected in any shallow groundwater samples.
- A minimum of one metal was detected in all of the shallow groundwater samples
  at concentrations in excess of NYSDEC Class GA groundwater standards. Metals
  detected in shallow groundwater beneath the Site showed no discernable
  differences in concentrations or distribution.

#### 3.4.7 July 2004 Groundwater Analytical Results – Deep Aquifer

Analytical results for groundwater samples collected from the deep aquifer (MW-4B, MW-5, MW-6B, MW-7, MW-8B, MW-9B, and MW-11B) during the July 2004 sampling event are presented on Table 3-15. A review of the analytical data indicated the following.

- VOCs were not detected in any deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Overall, only one VOC (carbon disulfide) was detected in one groundwater sample (MW-9B) at a minimal estimated concentration of 1 ppb.
- SVOCs were detected in two samples (MW-6B and MW-9B); however, concentrations were below groundwater standards.
- Total recoverable phenolic compounds were detected in one deep groundwater sample (MW-5) at a concentration in excess of the NYSDEC Class GA groundwater standard. However, no individual phenolic compounds, which are

identified by USEPA Method 8270 analyses were detected in this or any other deep aquifer groundwater sample. On 23 November 2004, well MW-5 was resampled for total recoverable phenolic compounds to verify the July 2004 sampling data. Results of the November 2004 sampling event indicated that total recoverable phenolic compounds were not detected in the groundwater sample.

- Pesticides, PCBs and cyanide were not detected in any deep groundwater samples.
- Metals (primarily iron) were detected in all of the deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Metals detected in deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.

#### 3.4.8 November 2005 Groundwater Analytical Results – Shallow Aquifer

Analytical results for groundwater samples collected from the shallow aquifer (MW-1S, MW-2S, MW-3S, MW-1, MW-2, MW-3, MW-4A, MW-6A, MW-8A, MW-9A, MW-10, MW-11A, MW-12A, MW-13, and MW-14) during the November 2005 sampling event are presented on Table 3-16. A review of the analytical data indicated the following.

• At least one VOC and as many as four were detected in seven of the fifteen shallow groundwater samples (MW-1, MW-2, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) at concentrations in excess of NYSDEC Class GA groundwater standards. VOCs were not detected in the remaining eight shallow groundwater samples (MW-3, MW-8A, MW-9A, MW-10, MW-14, MW-1S, MW-2S, and MW-3S). Groundwater impacted with VOCs above applicable standards was present in wells located along the western side (MW-1 and MW-6A), north central area (MW-12A and MW-13) and in the northeast corner (MW\_2, MW-4A and MW-11A) of the north landfill (Figure 3-2). Monitoring wells located in these areas are generally downgradient of the north landfill fill mound and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs.

## TABLE 3-16 2005 Groundwater Sample Analytical Results VOCs, SVOCs and Metals Crouse-Hinds Landfills

	NYSDEC							SAMPLE ID						
	Class GA	North Landfill												
PARAMETER	Groundwater Standard (ppb)	MW-1 Shallow Well	MW-2	MW-3 Shallow Well	MW-4A	MW-4B	MW-5 Deep Wall	MW-6A Shellow Well	MW-6B	MW-7	MW-8A	MW-8B	MW-9A	MW-9B
Volatile Organic Compounds (ppb)						1.0001 (100)	Lidely Wall	Shallow Well	Deeps Well	Deep Wolf	Stollow Well	Doep Well	Shallow Wall	Deep Well
Chloromethane	5	ND	ND	ND	11	ND	ND	1 J	ND	ND	ND	ND	ND	ND
Chloroethane	5	180	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	4 J	7 J	ND	3 J	ND	ND	8.J	ND	ND	ND	ND	ND	ND ND
Chiorobenzene	. 5	27	39	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	19	2 J	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	2.J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND
Isopropylbenzene	5	3 J	2 J	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	4 J	8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	2 J	2 J	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)	53353333333		14.000000000000000000000000000000000000	14140000000000	440000000	44444444	annings.	laudičena	0.0000000000000000000000000000000000000		1112	192		2222222
4-Methylphenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	11	ND	ND	ND	ND	3 J	ND.	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	3 J	2 Ј	ND	ND	ND	ND	1,1	ND	ND	ND	ND	ND	ND
Acenaphthylene	NS	ND	ND	ND	ND	ND	ND	0,8 J	ND	ND	ND	ND	ND	ND.
Acenaphthene	20	0.61	ND	0.3 J	1.J	ND	ND	1.J	ND	ND	ND	ND	ND	ND ND
Dibenzofuran	NS	ND	ND	ND	0,5 J	ND	ND	0.7 J	ND	ND	ND	ND	ND	
Fluorene	50	ND	ND	ND	1 1	ND	ND	3 J	ND	ND	ND	ND		ND
Phenanthrene	50	0.8 J	0,3	ND	ND	ND	0.3 J	6 DJ	ND	ND	ND	ND	ND ND	ND ND
Anthracene	50	1.J	ND	ND	0,4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	12 DJ	ND	ND	ND	ND	ND	-
Pyrene	50	ND	ND	ND	ND	ND	ND	18 DJ	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	*	ND	ND	ND	ND	ND	ND	5 DJ	ND ND	ND	ND			ND
Chrysene	*	ND	ND	ND	ND	ND	ND	9 DJ	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND ND	ND ND	ND
Benzo(b)fluoranthene	*	ND	ND	ND	ND	ND	ND	15 DJ	ND	ND	ND	<del></del>	<del>,</del>	ND
Benzo(k)fluoranthene	+	ND	ND	ND	ND	ND	ND	15 DJ	ND	ND	ND	ND ND	ND ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	9 DJ	ND	ND	ND	ND ND	<del></del>	ND
Indeno(1,2,3-cd)pyrene	*	ND	ND	ND	ND	ND	ND	6 DJ	ND	ND		<b>!</b>	ND	ND
Benzo(ghi)perylene	NS	ND	ND	ND	ND	ND	ND	8 D1	ND	ND	ND ND	ND ND	ND ND	ND ND
Total Phenois	1	17	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND ND	ND ND	ND ND
Metals (ppb)						100 100 100 100 100 100 100 100 100 100	110		U.S. S.	J. (1)	UND	ND ND	ND	UND
Cndmium	5	ND	0.7 B	ND	ND	ND	ND	0,52 B	ND	ND	ND	ND	37.5	ND
Chromium	50	2.7 B	0,81 B	0,88 B	ND	ND	2.1 B	1.9 B	ND	ND	ND	ND ·	37.5 ND	ND
Lend	25	2.4 B	5	7.9	ND	ND	1.8 B	3,4	ND	ND	ND ND	ND ·	ND ND	ND ND
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	
Zine	2,000	7.5 B	9.5 B	82.3	1.6 B	7.7 B	11.9 B	18.5 B	ND	4,8 B	2.3 B	6.8 B	105	ND 5,4 B

Notes:

ND: Compound not detected,

NS: No Standard.

(1) MW-13C is a duplicate of MW13 and MW 11C is a duplicate of MW-11A.

\*: No groundwater standard for these analytes. However, there is a listed guidance value of 0.002 ppb.

1,200

Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard,

#### Organic Data Qualifers:

1: Estimated Value.

D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

# TABLE 3-16 (continued) 2005 Groundwater Sample Analytical Results VOCs, SVOCs and Metals Crouse-Hinds Landfills

Class GA	1						SAMPLE ID						
					North	Landfill					1	South Landfill	
Groundwater	MW-10	MW-11A	MW-11B	MW-IIC	MW-12A	MW-12B	MW-13	MW-I3C	MW-14		MW-1S	MW-2S	MW-3S
Standard (ppb)	Shallow Well	Shallow Well	Deep Wall	(1)	Similow Well	Door Well	Shallow Well	1					Shallow Well
								<del>Janaliana</del>	Zinijitw troji		Menow wen	Shallow Well	Skellow Wall
5	ND	3 Ј	ND	3 J	ND	ND	ND	ND	ND		ND	ND	ND
5	ND	ND	ND	ND	ND	ND	<del> </del>	-			<del>'}</del>		ND ND
50	ND	ND	ND	ND	ND	3 J					,		ND
1	ND	7 J	ND	7 J	5 J	ND		1	<del></del>		·		
5	ND	ND	ND	ND		( <del> </del>	L	<u> </u>			1		ND ND
5	ND	ND	ND	ND		·	<del></del>				·		-
NS		ND	ND	ND							·	1	ND
5				l			<del></del>	<del></del>					ND
3								<del></del>			+		ND
3		***					·	<del> </del>			·		ND
	<u>स्वत्यस्य</u> ितस्य		••••••					ND	NO		עא	ND	ND
NS	ND		ND	ND	1.1	ND	NID	NID	NED		100000000000000000000000000000000000000		protest contact.
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1							<del></del>						ND
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5	ND	ND	ND	NITS	http://description.com	0.200		[-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1					
											<del></del>		ND
											·	2.1 B	ND
												-	ND
										<u> </u>			ND 2.7 B
	5 5 5 5 5 1 1 5 5 NS 5 NS 5 3 3 3 NS 10 NS NS 20 NS 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 ND 5 ND 5 ND 5 ND 5 ND 1 ND 5 ND 1 ND 5 ND 5 ND 5 ND 3 ND 3 ND 3 ND 10 ND NS ND 10 ND 11 ND 11 ND 15 ND 15 ND 16 ND 17 ND 18	5 ND 3 J 5 ND ND 50 ND ND 1 ND 1 ND 7 J 5 ND ND 1 ND 5 ND ND ND ND NS ND N	S	S	S	S	S	S	S	S	S	S

ND: Compound not detected.

NS: No Standard

(1) MW-13C is a duplicate of MW13 and MW 11C is a duplicate of MW-11A.

\*: No groundwater standard for these analytes. However, there is a listed guidance value of 0.002 ppb.

1,200 Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard.

#### Organic Data Qualifers:

J: Estimated Value.

D: Analyte detected in analysis at secondary dilution factor.

Inorganic Data Qualifers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.

- SVOCs were detected in eight of the shallow well groundwater samples (MW-1, MW-2, MW-3, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13). Generally, concentrations of all SVOCs detected in the wells were low and below the NYSDEC Class GA groundwater standards. However, in samples MW-2 and MW-6A SVOCs were detected at concentrations above groundwater standards. The presence of these SVOCs in sample MW-6A may be related to the presence of floating free phase petroleum residuals, which were detected in the well during sampling and the well inspection survey.
- Total recoverable phenolic compounds were detected in one sample (MW-1) at a
  concentration in excess of NYSDEC Class GA groundwater standards. Individual
  phenolic compounds, which are identified by USEPA Method 8270 analyses,
  were not detected in any of the groundwater samples.
- One metal (cadmium) was detected in one shallow groundwater sample (MW-9A) at a concentration in excess of NYSDEC Class GA groundwater standards.
   Metals detected in shallow groundwater beneath the Site showed no discernable differences in concentrations or distribution.

#### 3.4.9 November 2005 Groundwater Analytical Results – Deep Aquifer

Analytical results for groundwater samples collected from the deep aquifer (MW-4B, MW-5, MW-6B, MW-7, MW-8B, MW-9B, MW-11B, and MW-12B) during the November 2005 sampling event are presented on Table 3-16. A review of the analytical data indicated the following.

- One VOC (ethylbenzene) was detected in one deep groundwater sample (MW-5) at a concentration in excess of NYSDEC Class GA groundwater standards.
   Overall, only one other VOC (acetone) was detected in one groundwater sample (MW-12B) at a minimal estimated concentration of 3 ppb, which is below the groundwater standard.
- One SVOC was detected in one sample (MW-5); however, the concentration was below groundwater standards. SVOCs were not detected in any other deep groundwater sample.

- Total recoverable phenolic compounds were not detected in any deep groundwater samples.
- Metals (primarily zinc) were detected in all of the deep groundwater samples at concentrations below NYSDEC Class GA groundwater standards. Metals detected in deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.

#### 3.5 FWIA RESULTS

The FWIA is presented in Attachment 4. A summary of findings presented in the FWIA indicated the following.

- The aquatic habitats located on the Site consist of emergent wetlands, one of which contains open water, and several drainage ditches. Ley Creek is located offsite and adjacent to or near the west side of the Site.
- The fishery resources are limited to Ley Creek, the open water within one wetland, and drainage ditches that convey water from the wetlands to Ley Creek. However, no fish species were observed in any of the aquatic habitats located on the Site. In addition, NYSDEC records indicate that Ley Creek, located adjacent to or near the Site, is a poor fishery due to existing impacts and degradation.
- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.
- The Site and surrounding area provides a small mosaic of wildlife habitats, which include old fields, shrub uplands, deciduous forests, and wetlands.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, wild turkeys, etc). Given the surrounding land use is highly developed, the

Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods.

#### 3.6 WETLAND DELINEATION

The Wetland Delineation Report is presented in Attachment 5. A summary of findings presented in the report indicated the following.

- Based on the NYSDEC wetlands maps there are no wetlands located onsite under the jurisdiction of New York State.
- Field mapping and review of available resources (air photos, soil survey maps, and wetland inventory maps) confirmed the presence of three wetlands, two streams, and one drainage ditch onsite that meet the criteria of federal jurisdictional water resources.
- Two wetland areas (Wetland A and B) and one stream section (Stream A) were identified on the north landfill. Wetland A is located along the eastern side of the north landfill and is 2.63 acres in size. Stream A is 675 feet in length and flows south out of the southern portion of Wetland A and parallel to the property boundary to the southeast corner of the north landfill where it then turns to the northwest and parallels Seventh North Street. At its terminus, the stream discharges into two twenty-four inch culverts, which carry flow beneath Seventh North Street and into a drainage ditch which is located along the north boundary of the south landfill. Drainage in the ditch flows west to Ley Creek where it discharges. Wetland B is located along the western side of the north landfill and the onsite portion is 2.61 acres in size. Wetland B occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite from the property boundary to Ley Creek.
- One wetland area (Wetland C), one stream section (Stream B), and one ditch were
  identified on the south landfill. Wetland C is located in the southern area of the
  south landfill and is 1.29 acres in size. Stream B is 1,825 feet in length and is
  located along the eastern side of the south landfill. The stream channel begins
  near the northeast corner of the landfill and runs parallel with the eastern edge of

the south landfill until it enters Wetland B. Upon entering Wetland B, the stream flows west and follows the northern edge of the wetland area until it discharges into Ley Creek. The drainage ditch is located along the northern boundary of the south landfill and Seventh North Street. The ditch is 1,075 feet in length and begins at the northeast corner of the south landfill. Flow in the ditch is to the west to its terminus where it discharges into Ley Creek. The ditch accepts discharge from a culvert pipe located at the head of the ditch and from the culvert pipes leading beneath the roadway from the north landfill (Stream A discharge).

#### 4.0 SUMMARY AND CONCLUSIONS

This section summarizes the results of the PSA and SSA and also presents conclusions supported by the data and recommendations for additional work, which may be required to fill data gaps.

#### 4.1 SOIL INVESTIGATION

The results obtained for soil investigation activities conducted during the PSA and SSA indicated the following.

- Industrial fill material consisting primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris was encountered from grade to depths of up to 17 feet below grade in test pits located across the north landfill. This material generally exhibited an oily nature (degraded oily odor and black oily appearance). Cover material on top of the fill material consisted of a thin organic layer that supported a vegetative cover. The thickness of the industrial fill observed across the north landfill ranged from 3 feet to 17 feet. Generally, the fill material was thicker across the northern half of the landfill and along the northeast and northwest sides of the landfill where fill was observed to be mounded above the surrounding topography. Fill thickness generally decreased with movement off of the fill mound and towards the southern area of the landfill where the topography is flatter. Materials underlying the majority of the industrial fill generally consisted of peat deposits; however, limited sand and gravel deposits were also observed in several test pits located in the northeast area of the landfill.
- Material consisting of industrial fill, municipal fill, which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse, or a mixture of both fill types was encountered from grade to depths of greater than 20 feet below grade in test pits located across the south landfill. The industrial fill material generally exhibited an oily nature (degraded oily odor and black oily appearance). Cover material on top of the fill material consisted of a

thin organic layer that supported a vegetative cover. The thickness of the fill material observed across the south landfill varied between 0 feet and 19 feet. The thickness of fill materials observed in the central area of the landfill was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter of the landfill (average of 8 feet). Delineation of areas of industrial fill versus areas of municipal fill was not possible given the expanse of the fill mass and mixing of materials that was observed. Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19.

- The horizontal limits of the fill material located across the Site were defined during the PSA. Field observations indicated that fill materials located across the north landfill extended up to the property boundaries and up to and into mapped wetland and stream features. Fill materials were also observed to extend beyond the north landfill's property boundaries to the north and west and into mapped wetland and stream features located on the east and west sides of the landfill. The presence of railroad tracks to the east, and Seventh North Street to the south appears to have limited the extent of fill materials in these areas to within the landfill's property boundaries. Field observations also indicated that fill materials located across the south landfill extended to within 5 feet and 10 feet of the landfill's northern property boundary and up to and into mapped wetland and stream boundaries. Fill materials were observed to extend into mapped wetland and stream features located on the east and south sides of the landfill and to the edge of Ley Creek to the west. The presence of railroad tracks to the east, Seventh North Street to the north, and Ley Creek to the west appears to have limited the extent of fill materials in these areas to within the landfill's property boundaries.
- The vertical limits of fill materials located across the majority of the Site were
  defined during the PSA. Field observations indicated that the thickness of the
  industrial fill across the north landfill was greater across the northern half of the
  landfill, where mounding of fill was evident, versus the southern half of the
  landfill, where topography was flat. Thickness of fill material across the south

- landfill was determined to be greater in the interior of the landfill where mounding was evident with respect to the surrounding topography.
- Soil borings and test pits installed across the Site confirmed the presence of several distinct geologic units and two aquifers (shallow and deep) beneath the Site, which had also been identified by others during previous hydrogeologic investigations at the Site. The units observed consisted of a layer of fill (industrial and/or municipal) overlying peat deposits that were mixed with miscellaneous amounts of sand. The shallow water table aquifer occurred in this unit. Materials underlying the shallow aquifer consisted of a confining layer composed of a mixture of dense silt and clay, which was underlain by a water-bearing sand and gravel unit. The sand and gravel unit comprises the deep aquifer, and is under artesian conditions.
- VOCs were detected in seven test pit samples (TP-4, TP-30, TP-35, TP-42, TP-48, TP-49, and TP-55) at concentrations in excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. VOCs were detected in all of the remaining test pit and surface soil samples; however, concentrations were below soil applicable cleanup objectives, and showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all surface soil samples and all but five test pit samples(TP-18, TP-30, TP-32, TP-38, and TP-58), at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. Phenolic compounds were detected in nineteen test pit samples (TP-3 to TP-12, TP-16, TP-21, TP-26, TP-30, TP-34, TP-35, TP-OW-2, TP-45, and TP-48) and in five surface soil samples (SS-4, SS-6 to SS-8 and SS-10) where industrial fill containing foundry sand was mainly present. Samples from areas where municipal fill was mainly present (TP-13 to TP-15, TP-17 to TP-19, SS-1 to SS-3, and SS-5) did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12, TP-16, TP-21, TP-23, TP-26, TP-28, TP-30, TP-32, TP-34, TP-35, TP-0W-2, TP-38, TP-40, TP-42, TP-44, TP-46, TP-48, TP-53, TP-55, and TP-58) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was mainly present. Based on the analytical data, the distribution of phenolic

- compounds in fill across the Site and the distribution of higher concentrations of SVOCs in the test pit samples across the Site appear to be related to the presence of industrial fill containing foundry sand, which appeared to contain degraded oils.
- Pesticides detected in test pit and surface soil samples were at concentrations below TAGM 4046 recommended soil cleanup objectives. Concentrations of pesticides detected were minimal and showed no discernible pattern of distribution across the Site.
- PCBs were detected in one surface soil sample (SS-1), which was located near the eastern bank of Ley Creek at a total concentration slightly in excess of TAGM 4046 recommended soil cleanup objectives for total PCBs. PCBs were detected in 6 additional surface soil samples and 16 test pit samples; however, concentrations were below soil cleanup objectives. No discernable pattern of PCB distribution across the Site was observed. Note: Detailed discussions with plant personnel, along with detailed file reviews, indicate that there is no known history of PCB use at the Crouse-Hinds facility. The source of detected PCBs is unknown. Crouse-Hinds personnel have stated that past flooding of Ley Creek onto the Site, especially along the east bank of Ley Creek may be a possible source of PCBs to the Site as sediments in Ley Creek have been documented to contain PCBs.
- A minimum of three metals were detected in all test pit and surface soil samples
  at concentrations in excess of TAGM 4046 recommended soil cleanup objectives.
  No discernable pattern of distribution across the Site was observed.
- Waste characterization analytical data for 10 soil samples collected from test pits
  indicated that concentrations of contaminants detected (metals) were below the
  minimum concentrations for the toxicity characteristic and the soil samples did
  not exhibit hazardous characteristics. Therefore, subsurface soils and materials
  across the Site were determined to be non-hazardous by nature.
- Overall, the analytical data supports the known non-hazardous waste disposal
  history at the Site. In areas where foundry sand and industrial fill are present,
  there is an occurrence of analytes (phenolic compounds, SVOCs, and metals),
  which are typically associated with foundry operations. Mold release oils

containing phenolic compounds, SVOCs in the mold release oils, and metals from shavings, filings, and core butts can all be attributed to the known industrial wastes disposed of at the Site. In areas of the Site where municipal fill was disposed, SVOCs and metals, which are typically associated with these types of wastes, were detected.

#### 4.2 HYDROGEOLOGIC INVESTIGATION

The results obtained for hydrogeologic investigation activities conducted during the PSA and SSA indicated the following.

- A shallow water table aquifer system located in the peat and fill deposits and a deep confined groundwater flow system located in sand and gravel deposits are located beneath the Site. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness. The deep aquifer is under artesian conditions.
- Throughout the year groundwater flow in the shallow aquifer across the Site is generally to the west towards Ley Creek; however, in the northeast corner of the Site (area of wells MW-2, MW-4A and MW-11A) and near the southeast corner of the north landfill (area of MW-8A) groundwater flow direction appears to be towards the east in the direction of wetlands and streams that are located immediately adjacent to wells in that area of the Site. During 2004 (July and November) and early 2005 (February and May) groundwater data indicated that groundwater flow across the north landfill appeared to be deflected near the center of the landfill. This deflection appeared to be related to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in thickness of the mound towards the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections across the groundwater surface are most notable. In 2005, following installation of monitoring wells MW-13 and MW-14 and observation wells OW-1 to OW-4 flow direction across the central area of the north landfill was further defined and data indicated that shallow groundwater

- flow direction was radially outward to the east, south, and west from the mounded area of the landfill. Additionally, the data indicated that groundwater gradients were steeper along the slopes of the mound as it transitioned to flatter areas of the north landfill. The data also indicated that there were no seasonal variations in groundwater flow direction or gradients observed in the shallow aquifer.
- Groundwater in the deep aquifer is under artesian conditions and exhibits an
  upward vertical gradient. Groundwater flow in the deep aquifer across the north
  landfill section of the Site is radially outward (northeast to northwest) from the
  area of MW-5 and MW-6B. Based on available data, groundwater flow
  conditions in the deep aquifer remain relatively constant throughout the year.
- Observations of test pits installed downgradient of well MW-6A indicated that water, which had accumulated in the test pits, did not have petroleum sheens or accumulation of free floating product on the water surface. Subsequent monitoring of well MW-6A and upgradient observation wells (OW-1 to OW-4), indicated that free phase petroleum product was detected in well MW-6A at thicknesses of between 0.6 feet to 0.95 feet during monitoring events. At the same time no sheens or free floating petroleum product was observed in any of the upgradient observation wells. Therefore, it appears that the source of free phase petroleum observed in well MW-6A is localized to within the immediate area of the well. Additionally, the data indicates that an upgradient source area and/or downgradient impacts are not present onsite.
- VOCs were detected in five shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) collected during the July 2004 sampling event and in seven shallow groundwater samples (MW-1, MW-2, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) collected during the November 2005 sampling event at concentrations in excess of NYSDEC Class GA groundwater standards. These samples were collected from monitoring wells located along the western side (MW-1 and MW-6A), north central area (MW-12A and MW-13) and in the northeast corner (MW-2, MW-4A, and MW-11A) of the north landfill. Monitoring wells located in these areas are generally downgradient of the north landfill and along defined groundwater flow paths. Shallow groundwater across the south landfill was not impacted by VOCs. Additionally, with the exception of

- deep groundwater sample (MW-5) collected during the November 2005 sampling event, groundwater samples from the deep aquifer were not impacted by VOCs.
- SVOCs were detected in all shallow groundwater samples, with the exception of samples W-1S and MW-3N and two deep groundwater samples (MW-6B and MW-9B) collected during the July 2004 sampling event and in eight shallow groundwater samples (MW-1 to MW-3, MW-4A, MW-6A, MW-11A, MW-12A, and MW-13) and one deep groundwater sample (MW-5) collected during the November 2005 sampling event. Concentrations of detected SVOCs were below the NYSDEC Class GA groundwater standards, with the exception of those detected in shallow well MW-6A. The presence of SVOCs in well MW-6A appears to be related to the presence of floating free phase petroleum residuals, which were detected in the well. The presence of SVOCs in groundwater samples from the shallow aquifer beneath the Site is consistent with the presence of these analytes in test pit soils where industrial fill was present.
- Total recoverable phenolic compounds were detected in all of the shallow groundwater samples, with the exception of W-1S and MW-3N, and one deep aquifer groundwater sample (MW-5) collected during the July 2004 sampling event and in one shallow groundwater sample (MW-1) collected during the November 2005 sampling event at concentrations in excess of NYSDEC Class GA groundwater standards. Individual phenolic compounds were not detected in any of the shallow or deep groundwater samples collected during either sampling event. The presence of total recoverable phenolic compounds in groundwater samples from the shallow aquifer beneath the Site is consistent with the presence of these analytes in test pit soils where industrial fill was present. The presence of phenols in groundwater sample MW-5 (July 2004) from the deep aquifer suggests that the well seal was compromised, which would allow contaminants to migrate to the lower aquifer along the well casing (Note: Well MW-5 was abandoned and reinstalled during the 2005 SSA). Variations in reported concentrations of total recoverable phenolic compounds between the July 2005 and November 2005 sampling events are addressed in a correspondence to NYSDEC dated 27 March 2006 (Attachment 6).

- Pesticides, PCBs and cyanide were not detected in any shallow aquifer or deep aquifer groundwater samples that were collected during the July 2004 sampling event. Historically, PCBs have not been detected in any of the groundwater samples even in well MW-6A where free phase petroleum is present.
- A minimum of one metal was detected in all of the shallow and deep aquifer groundwater samples, collected during the July 2004 sampling event, at concentrations in excess of NYSDEC Class GA groundwater standards. During the November 2005 sampling event, only one metal was detected in one shallow well sample (MW-9) at a concentration in excess of applicable groundwater standards. Metals in excess of the groundwater standards were not detected in the deep well samples during this sampling event. Metals detected in shallow and deep groundwater beneath the Site showed no discernable differences in concentrations or distribution during either sampling event.
- Overall, the analytical data indicate that shallow groundwater in downgradient areas of the Site is impacted by VOCs, SVOCs and metals at concentrations above applicable groundwater standards. The occurrence of these analytes in shallow groundwater suggests that the detected analytes are leaching from the fill materials contained in the landfills, where they were also detected in soil samples, to the shallow groundwater system. Leaching of these analytes to the shallow groundwater system may be enhanced since saturated fill material comprises a portion of the shallow groundwater system and also because the fill material directly overlies the saturated zone. Groundwater in the deep aquifer does not appear to be impacted.
- To the best of our knowledge, there are no downgradient receptors for groundwater from the shallow and/or deep aquifers in the area surrounding the Site. Groundwater in the area is not used as a drinking water supply source in the area surrounding the Site. Potable water in the area is supplied by the Onondaga County Water Authority.

#### 4.3 SURFACE WATER INVESTIGATION

The results obtained for surface water investigation activities conducted during the PSA and SSA indicated the following.

- During site reconnaissance activities, an attempt was made to locate an old storm sewer that was reportedly used in the past to discharge process water from the Crouse-Hinds facility on and/or near the Site. Reconnaissance performed across the Site was unable to confirm the presence of this feature either onsite or along the banks of Ley Creek.
- Surface waters were present across two areas of the north landfill (See Section 4.6 for additional details). The first area consists of a wetland, which is located along the majority of the west side of the landfill. This wetland occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite to Ley Creek. The second area consists of an interconnected wetland and stream, which are located along the entire east side of the landfill. Surface water flow into the onsite wetland is primarily from an offsite wetland area, which is located to the north of the Site. Flow from this offsite wetland enters the eastern onsite wetland at the northeast corner of the landfill. Surface water flow then proceeds into the onsite wetland area and is drained by a stream, which begins near the east center side of the landfill. Flow in the stream proceeds south towards the southeast corner of the landfill where it briefly turns west and then discharges into two culvert pipes that lead beneath Seventh North Street. These culvert pipes discharge into a drainage ditch that borders the north boundary of the south landfill. Flow in this ditch is to the west and parallel with Seventh North Street until it discharges into Ley Creek near the bridge that passes over Ley Creek.
- Surface waters were present across two areas of the south landfill (See Section 4.6 for additional details). The first area is the drainage ditch noted above. Flow in this ditch originates at a culvert pipe located near the northeast corner of the south landfill. The culvert pipe appears to lead to the northeast beneath Seventh North Street and the adjacent railroad tracks. The source of discharges from the pipe are unknown. The second area consists of an interconnected stream and wetland area

that is located along the eastern and southern sides of the landfill. Flow in the stream, which appears to be fed by surface water runoff from the landfill is to the south along the east side of the landfill until it discharges into the southern wetland area. Flow from the wetland area was observed to discharge to Ley Creek via a thirty-six inch culvert pipe, which is located near the southwest corner of the landfill.

• According to USGS records for the stream gauging station located downstream of the Site, the daily mean discharge of Ley Creek on 9 June 2004 when surface water samples were collected was 24 feet<sup>3</sup>/second. This flow rate was below the mean of daily mean flow rates (25.6 feet<sup>3</sup>/second), which were measured on 9 June over the past 31 years. Based on this information it can be concluded that flow conditions in Ley Creek at the time of surface water sampling were slightly below normal.

#### 4.3.1 Ley Creek

The results obtained for surface water investigation activities conducted in Ley Creek during the PSA indicated the following.

- One VOC (total 1,2-Dichloroethene) was detected in all samples at low concentrations, which were similar in the upstream versus downstream samples.
   Since this analyte was not detected in surface soil, subsurface soil, leachate, or groundwater samples onsite, the source cannot be attributed to the Site.
- One SVOC (Bis (2-Ethylhexyl) phthalate) and one metal (iron) were detected in all surface water samples collected in Ley Creek at concentrations slightly in excess of the NYSDEC Class C surface water standards. Concentrations of SVOCs detected in upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek. However, concentrations of metals detected in the upstream surface water sample (SW-4), generally were higher than those detected in the downstream surface water samples (SW-1 to SW-3). As there were no direct discharges of surface waters to Ley Creek observed near the surface water

- sampling points, the source of impacts to surface waters in Ley Creek cannot be attributed to the Site.
- PCBs (Aroclor 1242) were detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard.
   PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface water is attributable to areas upstream of the Site.
- Overall the analytical data indicate that the Site is not impacting surface water quality in Ley Creek.

#### 4.3.2 Eastern Site Surface Waters

The results obtained for surface water investigation activities conducted in the eastern wetlands and streams during the SSA indicated the following.

- One VOC (methylene chloride) was detected in sample SW-16, which was collected in the wetland area on the east side of the north landfill at a concentration in excess of the NYSDEC Class C surface water standard. In addition, nine additional VOCs were detected in this sample; however, concentrations of these VOCs were below applicable standards. The presence of numerous VOCs in this sample along with its proximity to test pit TP-4 where similar VOCs were detected at elevated concentrations suggests that surface waters in this area of the wetland are being minimally impacted by materials present in the north landfill.
- SVOCs were not detected in any of the surface water samples (SW-15 to SW-19) collected on the north landfill. SVOCs were detected in four surface water samples (SW-10, SW-11, SW-13, and SW-14) collected on the south landfill; however, concentrations were below NYSDEC Class C surface water standards. Phenolic compounds were not detected in any surface water sample.
- Three metals were detected in two surface water samples (SW-10 and SW-11)
  collected on the south landfill and two surface water samples (SW-16 and SW-17)
  collected on the north landfill at concentrations in excess of NYSDEC Class C

- surface water standards. These metals are similar to ones detected in soil samples collected onsite and suggest that these metals are leaching to surface waters located along the eastern side of the Site.
- Overall the analytical data indicate that the eastern surface waters of the Site are minimally impacted in several locations by primarily metals, which are likely leaching from the fill materials contained in the landfill.

#### 4.3.3 Leachate

- Two areas were observed on the Site where discharge of leachate was occurring. The first area was located near a wet area along the base of the eastern flank of the south landfill. Discharge from the seep was to the stream located along the east side of the landfill. The second area was located in a wet area near the center of the north landfill where water was ponding. Discharge from the seep was by overland flow to the west across the north landfill. This seep did not discharge into an onsite water body.
- VOCs were detected in leachate samples L-1 and L-2, and cyanide was detected in sample L-1 at concentrations significantly below Class D surface water standards.
- SVOCs were detected in both leachate samples. Concentrations of total
  recoverable phenolic compounds in both samples were above Class D surface
  water standards. The presence of these compounds in the leachate is consistent
  with the presence of industrial fill in areas where these samples were collected.
- Pesticides and PCBs were not detected in any leachate sample.
- Iron was detected in both leachate samples at a concentration above Class D
  surface water standards. The presence of iron in the samples is consistent with
  the types of materials present onsite.
- VOCs, SVOCs and metals detected in the leachate samples were similar to those
  detected in soil samples collected onsite. However, analytical data indicate that
  impacts from the two small leachate seeps at the Site is minimal and does not
  present a threat to onsite surface water quality. Leachate was not observed to
  directly discharge to Ley Creek.

#### 4.4 SEDIMENT INVESTIGATION

The results obtained for sediment investigation activities conducted in Ley Creek during the PSA indicated the following.

#### 4.4.1 Ley Creek

- VOCs were detected in all sediment samples at concentrations that were well below NYSDEC sediment screening values. VOCs detected in the upstream versus downstream samples showed no discernable differences in concentrations or distribution along Ley Creek; therefore, it does not appear that VOCs from the Site are impacting sediment quality in Ley Creek.
- Six SVOCs were detected in all sediment samples in excess of the human health bioaccumulation sediment screening values. In addition, concentrations of one SVOC were detected in samples SED-1 to SED-4 in excess of the benthic aquatic life chronic toxicity screening values. Generally, concentrations of SVOCs detected in downstream samples were just slightly higher than those detected in the upstream sample.
- PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples collected in Ley Creek. Concentrations of Aroclors 1242, 1254, and 1260 exceeded the human health and wildlife bioaccumulation screening values for all samples.. Concentrations of Aroclor 1242 detected in samples SED-1 to SED-4 and Aroclor 1254 detected in samples SED-2 to SED-4 exceeded the benthic aquatic life chronic toxicity screening values. Concentrations of total PCBs exceeded the human health bioaccumulation, benthic aquatic life chronic toxicity, and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. PCB impacts in sediment in Ley Creek were documented in 1996 and 1997, during sampling conducted by others. Available data obtained from NYSDEC for Ley Creek and upstream tributaries establishes the presence of PCBs impacts in sediment upstream, adjacent to, and

downstream of the Site (Attachment 7). Available data indicated that concentrations of PCBs in sediment upstream of the Site are higher than those detected adjacent to, and downstream of the Site. PSA sampling data indicated that PCBs were detected in soils onsite; however, concentrations were significantly lower than those detected in sediment samples in Ley Creek during the PSA. The lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow, and the presence of documented impacts of PCBs in Ley Creek upstream of the Site strongly suggests that the PCBs detected in sediment samples collected in Ley Creek during the PSA are not attributable to the Site. The likely source of PCBs in the sediment samples is downstream transport of sediments in Ley Creek from documented upgradient sources of PCB contamination.

• Metals were detected in all sediment samples at concentrations, which exceeded sediment-screening values for lowest and severe effect levels. Concentrations of metals detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. The lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow suggests that the metals detected in sediment samples collected in Ley Creek during the PSA are not attributable to the Site. The likely source of metals in sediment samples is downstream transport of sediments in Ley Creek from upgradient sources, such as the Town of Salina Landfill.

#### 4.4.2 Eastern Site Sediment

The results obtained for sediment investigation activities conducted in the eastern wetlands and streams during the SSA indicated the following.

VOCs were detected in three sediment samples (SED-12, SED-15, and SED-16)
at concentrations significantly below NYSDEC sediment screening values
therefore; it does not appear that VOCs from the Site are significantly impacting
sediment quality in the eastern areas of the Site.

- Up to six SVOCs were detected in all samples in excess of the human health bioaccumulation screening values. In addition, concentrations of one SVOC were detected in six samples (SED\_10, SED-11, SED-13, SED-14, SED-18, and SED-19) in excess of the benthic aquatic life chronic toxicity screening values. Concentrations of SVOCs detected in sediment samples along the eastern side of the Site were generally slightly higher in downstream samples along both landfills.
- Up to three PCB Aroclors (1248, 1254 and 1260) were detected in all sediment samples. In each sediment sample, at least one Aroclor was detected at a concentration in excess of two or more of the applicable sediment screening values. Concentrations of total PCBs in each sample exceeded at least two or more of the applicable sediment screening values.
- Concentrations of PCBs detected in sediment samples SED-15, SED-16 and SED-17, which were collected in the wetland area located along the east side of the north landfill were the highest detected in all sediment samples collected onsite. Concentrations of total PCBs in these samples ranged from 17.9 ppm (SED-17) to 101 ppm (SED-16). Concentrations of PCBs detected in sediment samples collected in the stream reach draining the wetland showed decreasing concentrations of PCBs (4.3 ppm at SED-18 and 0.69 ppm at SED-19) with distance downstream of the wetland area. Concentrations of PCBs detected in sediment samples SED-10 and SED-11, which were collected in the stream reach located along the east side of the south landfill were lower (0.32 ppm to 0.51 ppm, respectively) with respect to concentrations detected in samples collected from the downstream wetland area (SED-12 to SED-14) to which the stream discharges. Concentrations of total PCBs in samples collected in the wetland area ranged from 1.15 ppm (SED-13) to 2.8 ppm (SED-12).
- Metals were detected in all sediment samples at concentrations which exceeded sediment screening values for lowest and severe effect levels. Generally, concentrations of metals detected in sediment samples at upstream and downstream locations were similar and showed no discernable differences between any of the sampling locations.

• Overall the analytical data indicate that sediments in the eastern area of the Site have been impacted by SVOCs, PCBs, and metals. The likely source of some of these analytes may be from fill materials contained in both landfills. However, another likely source for these analytes in the surface waters on the north landfill would be from impacted offsite surface waters that discharge to the north landfill's wetland areas. Site's located upgradient of the north landfill, such as the Town of Salina Landfill and Ley Creek are known to be impacted and could be contributors to impacts in this area of the Site.

#### 4.5 FWIA

The results obtained for FWIA activities conducted during the PSA indicated the following.

- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, and wild turkey). Given the surrounding land use is highly developed, the Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods. The primary value of wildlife to humans would be as a resource to bird watchers in other areas besides New York State.

#### 4.6 WETLAND DELINEATION

The results obtained for wetland delineation activities conducted during the SSA indicated the following.

- There are no wetlands located onsite under the jurisdiction of New York State;
   however, three wetlands, two streams, and one drainage ditch located onsite meet
   the criteria of federal jurisdictional water resources.
- Two wetland areas and one stream section were identified on the north landfill. Wetland A is located along the eastern side of the north landfill and is 2.63 acres in size. Stream A is 675 feet in length and flows south out of the southern portion of Wetland A and parallel to the property boundary to the southeast corner of the north landfill where it then turns to the northwest and parallels Seventh North Street. At its terminus, the stream discharges into two twenty-four inch culverts, which carry flow beneath Seventh North Street and into a drainage ditch which is located along the north boundary of the south landfill. Drainage in the ditch flows west to Ley Creek where it discharges. Wetland B is located along the western side of the north landfill and the onsite portion is 2.61 acres in size. Wetland B occurs immediately adjacent to and within the flood plain of Ley Creek and extends offsite from the property boundary to Ley Creek.
- One wetland area, one stream section, and one ditch were identified on the south landfill. Wetland C is located in the southern area of the south landfill and is 1.29 acres in size. Stream B is 1,825 feet in length and is located along the eastern side of the south landfill. The stream channel begins near the northeast corner of the landfill and runs parallel with the eastern edge of the south landfill until it enters Wetland B. Upon entering Wetland B, the stream flows west and follows the northern edge of the wetland area until it discharges into Ley Creek. The drainage ditch is located along the northern boundary of the south landfill and Seventh North Street. The ditch is 1,075 feet in length and begins at the northeast corner of the south landfill. Flow in the ditch is to the west to its terminus where it discharges into Ley Creek. The ditch accepts discharge from a culvert pipe located at the head of the ditch and from the culvert pipes leading beneath the roadway from the north landfill (Stream A discharge).

#### 4.7 RECOMMENDATIONS

Based on findings of the PSA and SSA there is an additional sampling activity recommended to better delineate the contaminated sediments in Wetland A.

• Additional sediment sampling is recommended in the wetland and stream reach located on the east side of the north landfill to define the extent of PCBs impacts in this area of the Site.

# ATTACHMENT 1 DATA USABILITY SUMMARY REPORT



· Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

July 26, 2004

Mr. Mark Schumacher InteGreyted International, LLC 104 Jamesville Road Syracuse, New York 13204

Re:

Data Validation Report

Cooper Project

June 2004 Sampling Event

#### Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June 2004 sampling event. The data for STL Newburgh, STL Lab Nos. 237118 and 237194, and STL Burlington, SDG: 100771, were mostly acceptable with some issues that are identified and discussed in the validation summaries. Both STL Newburgh data packs contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,

Alpha Environmental Consultants, Inc.

Donald Anné

Senior Chemist

DCA:dca attachments

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### **Data Validation Acronyms**

AAAtomic absorption, flame technique BHC Hexachlorocyclohexane BFB Bromofluorobenzene **CCB** Continuing calibration blank CCC Calibration check compound CCV Continuing calibration verification CN Cyanide CRDL · Contract required detection limit CRQL Contract required quantitation limit **CVAA** Atomic adsorption, cold vapor technique DCAA 2,4-Dichlophenylacetic acid DCB Decachlorobiphenyl DFTPP Decafluorotriphenyl phosphine **ECD** Electron capture detector FAA Atomic absorption, furnace technique FID Flame ionization detector **FNP** 1-Fluoronaphthalene GC Gas chromatography GC/MS Gas chromatography/mass spectrometry GPC Gel permeation chromatography **ICB** Initial calibration blank ICP Inductively coupled plasma-atomic emission spectrometer **ICV** Initial calibration verification IDL Instrument detection limit IS Internal standard LCS Laboratory control sample Laboratory control sample/laboratory control sample duplicate LCS/LCSD MSA Method of standard additions MS/MSD Matrix spike/matrix spike duplicate PID Photo ionization detector PCB Polychlorinated biphenyl **PCDD** Polychlorinated dibenzodioxins PCDF Polychlorinated dibenzofurans QA Quality assurance QC Quality control RF Response factor **RPD** Relative percent difference RRF Relative response factor RRF(number) Relative response factor at concentration of the number following RTRetention time RRT Relative retention time SDG Sample delivery group SPCC System performance check compound TCX Tetrachloro-m-xylene %D Percent difference %R Percent recovery %RSD Percent relative standard deviation

## Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



## Data Usability Summary Report for STL Newburgh, STL Lab No. 237118

#### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

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The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, and cyanide analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- There were volatile results for some compounds in samples TP-5, TP-4, and TP-9 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The volatile results for sample TP-8RE were flagged as estimates (J) because the analysis occurred outside the EPA SW-846 holding time.
- The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15

TP-15RE

TP-6

TP-6RE

TP-7

TP-7RE

TP-6

TP-8RE

• The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.

- There were semi-volatile results for some compounds in samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The semi-volatile results for samples TP-15RR and TP-10RR were flagged as estimates (J) because the extractions occurred outside the EPA SW-846 holding time.
- The semi-volatile results for all samples except the following were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15	TP-18	TP-10	TP-7
TP-16	TP-2	TP-4DL	TP-9DL

- The semi-volatile results reported as "not detected" for samples TP-15 and TP-10 were flagged as "unusable" (R) because one or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive pesticide results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

THOLE SHILL	igate recoverion	11010 aso 10 m-		
TP-5	TP-19	TP-17	TP-18	TP-14
TP-1	TP-11	TP-2		

- Pesticide results for samples TP-12 and TP-6 were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits, but was greater than 10%.
- The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

as "estimated" (R) because the %Ds for dual column quantitation were greater	
TP-5 TP-19 TP-12 TP-17 TP-18	TP-13
11 -J mp 10 A	TP-3
TP-15 TP-2 TP-1 TP-9 TP-10A	11-5

- The results for PCB arochlor-1242 in samples were flagged as "estimated" (J) because the percent recovery for arochlor-1242 was below the QC limits for the blank spike sample
- The PCB arochlor results reported with a laboratory 'P' for samples TP-13, TP-1, TP-8, TP-7, and TP-3 were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%.

• There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

TP-5	TP-4	TP-19	TP-12	TP-17
TP-18	TP-13	TP14	TP-15	TP-1
TP-8	TP-10A	TP-3		~~ *

Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

	_			********	
TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-5DL	TP-3	TP-12DL	TP-17DL	TP-1DI.
TP-8DL	TP-3DL	TP-4	TP-18	TP-8	TP-4DI.
TP-19DL	TP-18DL	TP-14DL		21 0	11 122

- Positive arochlor-1260 results were flagged as "estimated" (J) because the %Ds for arochlor-1260 were above the allowable maximum (15%) in associated continuing calibrations.
- The PCB arochlor results for sample TP-15 were flagged as estimates (J). This was due to surrogate recoveries that were below advisory limits but were greater than 10%.
- Positive results for lead and all results for silver were flagged as "estimated" (J) because spike recoveries were outside control limits.
- Positive results for zinc were flagged as "unusable" (R) because a spike recovery was significantly greater than control limits (>200%).
- Lead results were flagged as "estimated" (J) because the %D was above the allowable maximum (10%) for the serial dilution sample.
- Metal and cyanide results for sample TP-18 were flagged as "estimated" (J) because the percent solids was below the allowable minimum (50%).
- Results for cyanide were flagged as "estimated" (J) because a spike recovery was outside control limits.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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#### QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Sample TP-8RE was re-analyzed outside SW-846 holding times. Results for TP-8RE should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for trichloroethene were below the ASP required minimums, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2- tetrachloroethane were below the ASP required minimums, but were greater than 0.010 on 06-20-04 (WS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-18-04 (XS852.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-19-04 (XS856.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-20-04 (XS857.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2- tetrachloroethane was below the ASP required minimums, but was greater than 0.010 on 06-22-04 (WS539.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRF for 2-chloroethylvinylether (0.040) was below the allowable minimum (0.050) on 06-18-04 (XS852.D). The CCRF for 2-chloroethylvinylether (0.049) was below the allowable minimum (0.050) on 06-19-04 (XS856.D). The CCRF for 2-chloroethylvinylether (0.032) was below the allowable minimum (0.050) on 06-10-04 (XS842.D).

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The CCRF for 2-chloroethylvinylether (0.021) was below the allowable minimum (0.050) on 06-13-04 (XS843.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

The %D for 2-chloroethylvinylether (28.0%) was above the allowable maximum (25%) on 06-20-04 (XS857.D). The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples TP-15, TP-6, TP-15RE, TP-6RE, and TP-7RE was outside control limits. Two of three internal stand areas (IS2, IS3) for sample TP-8 and TP-8RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample TP-7 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 3 of 10 %Rs (percent recoveries) were above control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBSPK20.

<u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for samples TP-5, TP-4, and TP-9 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed: therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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#### OA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples TP-15RR and TP-10RR were re-extracted outside SW-846 holding times. Results for these samples should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for acenaphthylene, acenaphthene, fluorene were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100%. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%). Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximums.

The CCRF for hexachlorocyclopentadiene (0.038) was below the allowable minimum (0.050) on 06-23-04 (CCV2415.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). hexachlorocyclopentadiene (0.031) was below the allowable minimum (0.050) on 06-28-04 (CCV2418.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R).

The %D for hexachlorocyclopentadiene (38.2%) was above the allowable maximum (25%) 06-22-04 (CCV2414.D). The %Ds for hexachlorocyclopentadiene (56.5%), 3-nitroaniline (25.3%), 4-nitrophenol (40.4%), and 3,3'-dichlorobenzidine (27.5%) were above the allowable maximum (25%) 06-23-04 (CCV2415.D).

The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and dinoctylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (64.5%), 4-nitrophenol (32.8%), di-n-octylphthalate (34.8%), and 3,3'-dichlorobenzidine (37.9%) were above the allowable maximum (25%) 06-28-04 (CCV2418.D). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard retention times were within control limits.

One of 6 internal standard areas (IS6) for the following samples was outside control limits:

TP-13	TP-10A	TP-9	TP-8	TP-19
TP-12DL	TP-17	TP-10ARE	TP-8RE	TP-19RE

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

TP-5	TP-11	TP-12	TP-14	TP-3
TP-4	TP-5RE	TP-14RE	TP-6DL	TP-17RE
TP-3RE,	TP-10RR	TP-15RR		

Three of 6 internal standard areas (IS4, IS5, IS6) for samples TP-6 and TP-1DL were outside control limits. Four of 6 internal standard areas (IS3, IS4, IS5, IS6) for sample TP-1 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

<u>Surrogate Recovery</u>: Four surrogates for sample TP-4DL were diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Four of 4 base/neutral surrogate recoveries for sample TP-15 were below control limits and were less than 10%. Three of 4 base/neutral surrogate recoveries for samples TP-10 were below control limits and were less than 10%. Positive results for the base/neutral fraction of sample TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

Two of 4 acid extractable surrogate recoveries for sample TP-15 were outside control limits and were less than 10%. One of 4 acid extractable surrogate recovery for sample TP-10 was below control limits and were less than 10%. Positive results for acid extractable compounds of samples TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, but 5 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK20. The %R for 4-nitrophenol was below QC limits for sample SBSPK09. The %Rs for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene were below QC limits for sample SBSPK08. Results for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene should be considered estimates (J) in associated samples.
- Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were semi-volatile results for samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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# QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples TP-19, TP-5, TP-14, TP-2, TP-8, TP-17, and TP-18 was above advisory limits on one or both columns. Two of two surrogate recoveries for samples TP-1, TP-11, and TP-4 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

One of two surrogate recoveries for samples TP-12 and TP-6 was below advisory limits, but was above 10% on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: Two of 6 relative percent differences were above the allowable maximum and 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample PBSPK16.

Initial Calibration: The %RSDs for 4,4'-DDE (22.11%), signal #1, and delta-BHC (31.90%), signal #2 were above the allowable maximum (20%). Positive results for these two pesticides should be considered estimates (J).

Pesticide Calibration Verification Summary (PEM): The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

The %RPDs for beta-BHC (40%), endrin (38%), methoxychlor (32%), and 4,4'-DDT (40%) for signal #1, and endrin (36%), methoxychlor (27%), and 4,4'-DDT (32%) for signal #2 were above the allowable maximum (25%) on 06-22-04. Positive results for these pesticides should be considered estimates (J).

- Pesticide Calibration Verification Summary (INDA & INDB): The %RPD for 4,4'-DDE (26..18%) for signal #1 was above the allowable maximum (25%) on 06-22-04. Positive results for 4,4'-DDE should be considered estimates (J).
- <u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.
- Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

TP-5	TP-19	TP-12	TP-17	TP-18	TP-13
TP-15	TP-2	TP-1	TP-9	TP-10A	TP-3

<u>Pesticide Identification Summary for Multicomponent Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



## QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237118

### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

**Environmental Chemistry** 

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Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-11	TP-3	TP-12DL	TP-17DL	TP-1DL
TP-8DL	TP-3DL				

Two of two surrogate recoveries for the following samples were above advisory limits on one or both columns:

TP-4	TP-18	TP-8	TP-4DL	TP-19DL
TP-18DL	TP-14DL	TP-5DL		

Positive results for the above samples should be considered estimates (J).

One of two surrogate recoveries for sample TP-15 was below advisory limits, but was above 10% on one column. Results for sample TP-15 should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (80%) was above the allowable maximum (35%) and 1 of 2 percent recoveries (107%) was outside QC limits (43-93%) for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recovery for arochlor-1242 was below QC mans for sample PBSPK16. Results for arochlor-1242 should be considered estimates (J).

<u>Initial Calibration</u>: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

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Continuing Calibration: The average %Ds for arochlor-1016 (23.0%) and arochlor-1260 (23.4%) for signal #1, and arochlor-1016 (23.3%) and arochlor-1260 (18.5%) for signal #2 were above the allowable maximum (15%) on 06-22-04 (AR166007). The average %Ds for arochlor-1016 (23.4%) and arochlor-1260 (20.4%) for signal #1, and arochlor-1016 (21.2%) and arochlor-1260 (21.0%) for signal #2 were above the allowable maximum (15%) on 06-23-04 (AR166007). The average %Ds for arochlor-1260 (24.7%) for signal #1 and arochlor-arochlor-1260 (24.3%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (23.8%) for signal #1 and arochlor-arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-26-04 (AR166007). Positive results for these two arochlors should be considered estimates (J) in associated samples.

<u>PCB Analytical Sequence</u>: The retention times for TCX and DCB were within control limits on both columns.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in samples TP-13, TP-1, TP-8, TP-7, and TP-3 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

TP-5	TP-4	TP-19	TP-12	TP-17
TP-18	TP-13	TP14	TP-15	TP-1
TP-8	TP-10A	TP-3		



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### QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237118

### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

- <u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).
- CRDL Standard for AA and ICP: The percent recoveries for lead (124.5% and 129.2%) and zinc (129.4%, 136.8%, and 125.3%) were above control limits (80-120%). Positive results for lead and zinc that are less than 2 times the CRDL should be considered estimates (J).
- <u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.
- <u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).
- Spike Sample Recovery: The percent recoveries for copper (125.8%), silver (62.1%), and zinc (817.2%) were outside control limits (75-125%) for spike sample TP-5S. Positive results for copper and all results for silver should be considered estimates (J). Positive results for zinc should be considered unusable (R).
- <u>Duplicates</u>: The applicable relative percent differences for target metals were below the allowable maximum (35%) for duplicate sample TP-5D.
- <u>Laboratory Control Sample</u>: The recoveries for target metals were within control limits for the LCSs.
- ICP Serial Dilution: The %D for lead (13.0%) was above the allowable maximum (10%) for serial dilution sample TP-5L. Positive results for lead should be considered estimates (J).

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Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

<u>Percent Solids</u>: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. Results for sample TP-18 should be considered estimates (J).



# QA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237118

### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

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Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for cyanide were within control limits (85-115%).

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recovery for cyanide was within control limits (75-125%) for spike sample TP-5. The percent recovery for cyanide (61.9%) was outside control limits (75-125%) for spike sample TP-6. Results for cyanide should be considered estimates (J) in associated samples.

<u>Duplicates</u>: The analyses of duplicate samples TP-5/TP-5D and TP-6/TP-6D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solios: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. The cyanide result for sample TP-18 should be considered an estimate (J).

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# Data Usability Summary Report for STL Newburgh, STL Lab No. 237194

### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2003

Prepared by: Donald Anné July 26, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

• The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

SS-5

SS-5RE

SS-9

SS-9RE

SS-10

- Positive volatile results for samples SS-5 and SS-10RE were flagged as "estimated" (J) because 1 of 3 surrogate recoveries was above control limits.
- The volatile results for methylene chloride in the following samples were flagged as "estimated" (J) because the %D for methylene chloride in the associated continuing calibration was above the allowable maximum (25%):

SS-3

SS-7

SS-8

SS-9

- The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.
- The semi-volatile result for pyrene in sample SED-2 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for pyrene marked "E" in the undiluted sample was qualified as an estimate (J).

• The semi-volatile results for the following samlples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1
SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE,	SS-9RE	SED-1RE	SS-4RE	SED-2DL

• Positive pesticide results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SW-1

SW-4

SS-2

SED-4

SED-5

• The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

SW-1

SS-1

SED-4

SED-5

- The pesticide results for gamma-BHC and aldrin in soil/sediment samples were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the soil blank spike sample.
- There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

SED-1

SED-2

SED-3

SED-4

SED-5

SED-6

The PCB arochlor results reported with a laboratory 'P' for the following samples were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%:

SS-1 SED-3 SS-2 SED-4 SS-7 SED-5 SED-1

SED-5DL

SED-2 SED-6

Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SS-1 SED-1 SS-1DL SED-1DL SS-2 SED-2 SS-4 SED-2DL

SS-7 SED-3 SS-9 SED-3DL

SED-4

SED-4DL

SED-5

SED-5DL

SED-6

SED-6DL

- The results for silver in soil, sediment and surface water samples were flagged as "estimated" (J) because spike recoveries were outside control limits.
- Positive results for zinc in soil samples were flagged as "unusable" (R) because the spike recovery was significantly above control limits for the soil spike sample.
- Zinc results in soil samples were flagged as "estimated" (J) because the %D was above the allowable maximum (10%) for the soil serial dilution sample.
- Cadmium results in sediment samples were flagged as "estimated" (J) because the relative percent difference was above the allowable maximum (35%) for the sediment duplicate sample.
- Metal and cyanide results for the following samples were flagged as "estimated" (J) because the percent solids were below the allowable minimum (50%):

SS-4 (38.6%) SED-1 (47.5%) SED-2 (42.5%) SED-3 (46.4%) SED-5 (47.1%)

• Results for cyanide in soil samples were flagged as "estimated" (J) because the spike recovery was outside control limits for the soil spike sample.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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### QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

> Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2- tetrachloroethane were below the ASP required minimum, but were greater than 0.010 on 06-20-04 (WS). The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010, and the %RSD for total xylenes was above the ASP required maximum, but was less than 40% on 06-23-04 (XS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (WS539.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (XS863.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (WS540.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (XS868.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). The %Ds for methylene chloride (30.6%) and carbon disulfide (29.5%) were above the allowable maximum (25%) on 06-23-04 (XS863.D). Positive results for these compounds should be considered estimates (J) in associated samples.

- Blanks: The analyses of the method blanks reported target compounds as not detected.
- Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples SS-5, SS-5RE, and SS-10 was outside control limits. Two of three internal stand areas (IS1, IS3) for sample SS-9RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample SS-9 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).
- <u>Surrogate Recovery</u>: One of three surrogate recoveries for samples SS-5 and SS-10RE was above control limits. Positive results for samples SS-5 and SS-10RE should be considered estimates (J).
- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples SW-3 and SED-3.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK23 (water) and VBSPK23 (soil).
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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### QA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237194

### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-21-04. The RRFs for acenaphthylene, acenaphthene, and fluorene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-22-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2,4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

<u>Continuing Calibration</u>: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximum.

The CCRF for hexachlorocyclopentadiene (0.034) was below the allowable minimum (0.050) on 06-23-04 (CCV3053.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). The CCRF for nexachlorocyclopentadiene (0.043) was below the allowable minimum (0.050) on 06-25-04 (CCV2417.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R) in associated samples.

The %Ds for n-nitrosodimethylamine (33.6%), hexachlorocyclopentadiene (65.2%) and 4-nitrophenol (40.4%) were above the allowable maximum (25%) 06-22-04 (CCV3052.D). The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and dinoctylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (51.0%), 3-nitroaniline (30.2%), 4-nitrophenol (27.6%), 4-nitroaniline (31.4%), and 3,3'-dichlorobenzidine (26.7%) were above the allowable maximum (25%) 06-28-04 (CCV2417.D). The %Ds for 4-nitrophenol (42.8%), hexachlorocyclopentadiene (38.1%), 4-nitroaniline (28.1%), and 3,3'-dichlorobenzidine (29.9%) were above the allowable maximum (25%) 06-29-04 (CCV2419.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the soil method blanks reported target compounds as not detected. The water method blank SBLK17 was inadvertently spiked by the laboratory, resulting in all but a few target compounds detected in the blank. The lab accepted the blank since all target compounds were detected at levels less than the CRDL, as required. This water blank can not be used to evaluate the environmental samples.

<u>Internal Standard Area Summary</u>: The internal standard retention times were within control limits.

One of 6 internal standard areas (IS6) for the following samples was outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE.	SS-9RE	SED-1RE	SS-4RE	SED-2DL

Results for the above samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

<u>Surrogate Recovery</u>: One surrogate for sample SED-2DL was diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Matrix Spike/Matrix Spike Duplicate: Iwo or 11 relative percent differences (RPDs) were above the allowable maximums and 1 of 22 %Rs (percent recoveries) was outside control limits for MS/MSD sample SW-3. One of 11 RPDs was above the allowable maximums and 1 of 22 %Rs was outside control limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples SBSPK17 and SBSPK22.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for pyrene in sample SED-2 was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result for pyrene that is flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for pyrene is recommended. It is recommended that the undiluted results be used for all other compounds.



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# QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237194

### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SW-4	SW-5	SS-1	SS-2	SS-3	SS-4
SS-5	SS-6	SS-7	SS-8	SS-9	SED-1
SED-3	SED-4	SED-5	SED-6		

Two of two surrogate recoveries for samples SW-1 and SED-2 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum, but 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample SW-3. One of 6 RPDs was below the allowable maximum and 7 of 12 %Rs were outside QC limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) for gamma-BHC, heptachlor, and aldrin were above QC limits for water sample PBSPK11. Positive results for these pesticides should be considered estimates (J) in water samples. The %Rs for gamma-BHC and aldrin were below QC limits for soil sample PBSPK18. Results for these pesticides should be considered estimates (J) in soil/sediment samples.

<u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.

- Initial Calibration: The %RSDs for 4,4'-DDE (34.57%), endrin (21.77%), endosulfan II (21.01%), endrin ketone (20.81%), and 4,4'-DDT (39.72%) for signal #1, and aldrin (152.76%),4,4'-DDD (20.33%), endrin ketone (22.95%), and 4,4'-DDT (21.86%) for signal #2 were above the allowable maximum (20%) on 06-28-04. Positive results for these pesticides should be considered estimates (J) in associated samples.
- <u>Pesticide Calibration Verification Summary (PEM)</u>: The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.
- Pesticide Calibration Verification Summary (INDA & INDB): The %RPD for 4,4'-DDT (39.09%) for signal #1 and aldrin (61.21%) for signal #2 were above the allowable maximum (25%) on 06-29-04. Positive results for these two compounds should be considered estimates (J) in associated samples.
- Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in samples SW-1, SS-1, SED-4, and SED-5 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.
- <u>Pesticide Identification Summary for Multi-component Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



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# QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237194

### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SS-1	SS-1DL	SS-2	SS-4	SS-7
SS-9	SED-1	SED-1DL	SED-2DL	SED-3
SED-4	SED-4DL	SED-5	SED-5DL	SED-6
SED-6DL				

Two of two surrogate recoveries for samples SED-2 and SED-3DL were above advisory limits on one or both columns. Positive results for the above samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample SW-3. The RPD was below the allowable maximum (35%), but both the %Rs were outside QC limits (43-93%) for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK02 and PBSPK18.

<u>Initial Calibration</u>: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

<u>PCB Analytical Sequence</u>: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (23.8%) for signal #1, and arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (24.4%) for signal #1 and arochlor-1260 (22.0%) for signal #2 were above the allowable maximum (15%) on 06-29-04 (AR166006). Positive results for arochlor-1260 should be considered estimates (J) in associated samples.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

SS-1	SS-2	SS-7	SED-1	SED-2	
SED-3	SED-4	SED-5	SED-5DL	SED-6	

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

SED-1	SED-2	SED-3	SED-4	SED-5	SED-6
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### QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237194

### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

<u>CRDL Standard for AA and ICP</u>: The percent recoveries for target metals were within control limits (80-120%).

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

<u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for silver (70.2%) was below control limits (75-125%) for the water spike sample SW-3S. Results for silver should be considered estimates (J) in water samples. The percent recovery for silver (72.3%) was below control limits (75-125%) for the soil spike sample SS-1S. Results for silver should be considered estimates (J) in soil samples. The percent recoveries for silver (71.2%) and zinc (136.9%) were outside control limits (75-125%) for the sediment spike sample SED-3S. Results for silver and positive results for zinc should be considered estimates (J) in sediment samples.

<u>Duplicates</u>: The applicable relative percent differences (RPD) for target metals were below the allowable maximum (soil-35% and water-20%) for the water duplicate sample SW-3D and the soil duplicate sample SS-1D. The RPD for cadmium (o0.7%) was above the allowable maximum (35%) for the sediment duplicate sample SED-3. Positive results for cadmium should be considered estimates (J) in sediment samples.

- <u>Laboratory Control Sample</u>: The recoveries for target metals were within control limits for the soil/sediment LCSs. The percent recovery for silver (64.2%) was below control limits (80-120%) for the water LCS. Results for silver should be considered estimates (J) in water samples.
- Standard Addition Results: The correlation coefficient for selenium (0.999) in sample SW-1 was greater than the allowable minimum (0.995), as required.
- ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for the water serial dilution sample SW-3L and the sediment serial dilution sample SED-3L. The %D for zinc (13.0%) was above the allowable maximum (10%) for the soil serial dilution sample SS-1L. Positive results for zinc should be considered estimates (J) in soil samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J): SS-4 (38.6%) SED-1 (47.5%) SED-2 (42.5%) SED-3 (46.4%) SED-5 (47.1%)



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### OA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237194

Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

> Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) for the water spike sample SW-3 and the sediment spike sample SED-3. The percent recovery for cyanide (62.0%) was outside control limits (75-125%) for the soil spike sample 237118-15. Results for cyanide should be considered estimates (J) in soil samples.

<u>Duplicates</u>: The analyses of duplicate samples SW-3/SW-3D, SED-3/SED-3D, and 237118-15/237118-15D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. The cyanide result for these samples should be considered an estimates (J):

> SS-4 (38.6%) SED-5 (47.1%)

SED-1 (47.5%)

SED-2 (42.5%)

SED-3 (46.4%)



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### QA/QC Review of Total Recoverable Phenolics Data for STL Newburgh, STL Lab No: 237194

Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recovery for total recoverable phenolics was within control limits (75-125%) for the spike sample.

<u>Duplicates</u>: The analyses of duplicate samples reported total recoverable phenolics as not detected, and are acceptable.

<u>Laboratory Control Sample</u>: The percent recovery for total recoverable phenolics was within control limits for the LCS.

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### QA/QC Review of Total Organic Carbon (TOC) Data for STL Burlington, SDG: 100771

Sediment Samples Collected June 9, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Blanks: The analyses of the method blank reported TOC as not detected.

Spike Sample Recovery: The percent recovery for TOC (105%) was within control limits (75-125%) for spike sample SED-3MS.

<u>Duplicates</u>: The relative percent difference for TOC (27%)was below the allowable maximum (35%) for duplicate sample SED-3REP, as required.

<u>Laboratory Control Sample</u>: The percent recovery for TOC (98%) was within control limits for the LCS.

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August 16, 2004

Mr. Mark Schumacher InteGreyted International, LLC 104 Jamesville Road Syracuse, New York 13204

Re:

Data Validation Report

Cooper Project

June-July 2004 Ground Water Sampling Event

Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June-July 2004 ground water sampling event. The data for STL Newburgh, STL Lab No. 237960, were mostly acceptable with some issues that are identified and discussed in the validation summaries. STL Newburgh failed to meet ASP calibration criteria for semi-volatile analyses which affected sample MW-6A. The data pack contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,

Alpha Environmental Consultants, Inc.

Donald Anné Senior Chemist

DCA:dca attachments

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### Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

### **Data Validation Acronyms**

AA Atomic absorption, flame technique **BHC** Hexachlorocyclohexane BFB Bromofluorobenzene **CCB** Continuing calibration blank CCC Calibration check compound CCV Continuing calibration verification CN Cyanide **CRDL** Contract required detection limit **CRQL** Contract required quantitation limit **CVAA** Atomic adsorption, cold vapor technique DCAA 2,4-Dichlophenylacetic acid DCB Decachlorobiphenyl DFTPP Decafluorotriphenyl phosphine **ECD** Electron capture detector FAA Atomic absorption, furnace technique FID Flame ionization detector FNP 1-Fluoronaphthalene GC Gas chromatography GC/MS Gas chromatography/mass spectrometry **GPC** Gel permeation chromatography **ICB** Initial calibration blank **ICP** Inductively coupled plasma-atomic emission spectrometer **ICV** Initial calibration verification IDL Instrument detection limit IS Internal standard LCS Laboratory control sample LCS/LCSD Laboratory control sample/laboratory control sample duplicate MSA Method of standard additions MS/MSD Matrix spike/matrix spike duplicate PID Photo ionization detector PCB Polychlorinated biphenyl PCDD Polychlorinated dibenzodioxins PCDF Polychlorinated dibenzofurans QA Quality assurance QC Quality control RF Response factor RPD Relative percent difference RRF Relative response factor RRF(number) Relative response factor at concentration of the number following RTRetention time RRT Relative retention time SDG Sample delivery group

%RSD Percent relative standard deviation

Percent difference

Percent recovery

SPCC

TCX

%D

, %R

Tetrachloro-m-xylene

System performance check compound



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## Data Usability Summary Report for STL Newburgh, STL Lab No. 237960

# Ground Water Samples Collected June 30 and July 1, 2003

Prepared by: Donald Anné August 16, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- The volatile result for chloroethane in sample MW-1N was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for chloroethane marked "E" in the undiluted sample was qualified as estimated (J).
- The semi-volatile results reported as "not detected" for samples MW-8A, MW-6A, and MW-6ARE were flagged as "unusable" (R) and detected compounds were flagged estimates (J) because two or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive base/neutral semi-volatile results for sample MW-12 were flagged as "estimated" (J) because two surrogate recovenes were above advisory limits.
- Semi-volatile results for bis(2-ethylhexyl)phthalate in samples were flagged as "not detected" (U) because the levels in the samples were not significantly higher than the level in the associated method blank.

- Semi-volatile results for 1,2,4-trichlorobenzene and 4-nitrophenol in samples were flagged as "estimated" (J) because the percent recoveries for those compounds were below QC limits in the associated blank spike sample.
- Semi-volatile results for sample MW-8ARR were flagged as "estimated" (J) because the sample was re-extracted outside SW-846 holding times.
- Pesticide results for samples MW-4B, MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The pesticide results for gamma-BHC and aldrin in sample MW-4A and MW-4B were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the blank spike sample PBSPK22.
- PCB arochlor results for samples MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The results for iron, lead, selenium and silver in samples were flagged as "estimated" (J) because percent recoveries were below control limits in associated spike samples.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**Environmental Chemistry** 

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### QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for trichloroethene and 1,1,2,2- tetrachloroethane were below the ASP required minimums, but were greater than 0.010. No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (60.67%) was above the allowable maximum (30%). The average RRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-12-04 (XS883.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-13-04 (X8052.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-14-04 (XS8076.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-15-04 (XS8091.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %Ds for target compounds were below the allowable maximum (25%), as required. The CCRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050) on 07-12-04 (XS883.D). The CCRF for 2-chloroethylvinylether (0.013) was below the allowable minimum (0.050) on 07-13-04 (X8052.D). The CCRF for 2-chloroethylvinylether (0.012) was below the allowable minimum (0.050) on 07-14-04 (XS8076.D). The CCRF for 2-chloroethylvinylether (0.015) was below the allowable minimum (0.050) on 07-15-04 (XS8091.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R) in associated samples.

- Blanks: The analyses of the method and trip blanks reported target compounds as not detected. Field blank FB contained a trace of chloroform (8 ug/L). Results for chloroform that are less than five times the field blank level should be considered not detected (U) in associated samples.
- Internal Standard Area Summary: All internal standard areas and retention times were within control limits.
- Surrogate Recovery: The percent recoveries were within control limits for environmental samples.
- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples MW-8B and MW-7.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK10 and VBSPK14. The percent recovery for benzene in sample VBSPK015 was above control limits. Positive results for benzene should be considered estimates in associated samples.
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for chloroethane in sample MW-1N was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. This sample was diluted by the laboratory and re-analyzed; therefore, the result for chloroethane that is flagged as 'E' in the undiluted sample should be considered estimated (J) and the use of the diluted results for this compound is recommended. It is recommended that the undiluted results be used for all other compounds.



Lab and Field Audits

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### QA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Sample MW-8ARR was extracted outside SW-846 holding times. Results for MW-8ARR should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachloropheno1 was above the allowable maximum, but was less than 100% on 06-21-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The RRFs for naphthylene, 2-chloronaphthalene, acenaphthene, benzo(a)anthracene, fluorene, and benzo(k)fluoranthene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04. Samples associated with this calibration should have been re-analyzed because greater than four compounds did not meet criteria. One sample, MW-8ARR that was associated with this initial calibration is a re-extraction of a sample that was associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with the initial calibration and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2.4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs for bis(2-chloroethoxy)methane, acenaphthene, fluorene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04 (CCV3071.D). The CCRFs for bis(2-chloroethoxy)methane, naphthalene, 2-chloronaphthalene, acenaphthene, fluorene, phenanthrene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-19-04 (CCV3076.D). One sample, MW-8ARR, that was associated with these continuing calibrations is a re-extraction of a sample that is associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with these continuing calibrations and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The CCRFs for target compounds were above the allowable minimum (0.050), as required. The %Ds for hexachlorocyclopentadiene (33.1%), 2,4-dinitrophenol (33.2%), 4-nitrophenol (37.2%), and pentachlorophenol (25.6%) were above the allowable maximum (25%) 07-14-04 (CCV3071.D). The %Ds for 4-chloroaniline (27.9%) was above the allowable maximum (25%) 07-08-04 (CCV3063.D). The %Ds for hexachlorocyclopentadiene (32.0%) was above the allowable maximum (25%) 07-12-04 (CCV3066.D). The %Ds for 4-nitrophenol (28.0%) and pentachlorophenol (25.7%) were above the allowable maximum (25%) 07-19-04 (CCV3076.D). Positive results for these compounds should be considered estimates (J) in associated samples.

- Blanks: Method blank SBLK33 contained a trace of bis(2-ethylhexyl)phthalate (3 ug/L). Method blank SBLK34 contained a trace of bis(2-ethylhexyl)phthalate (2 ug/L). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples.
- Internal Standard Area Summary: The internal standard retention times were within control limits. Two of 6 internal standard areas (IS1, IS2) for samples MW-6A and MW-6ARE were outside control limits. Results for samples MW-6A and MW-6ARE that are quantitated using internal standards IS1 and IS2 should be considered estimates (J).
- Surrogate Recovery: Two of four acid extractable surrogate recoveries for sample MW-12 were above control limits. Positive acid extractable results for sample MW-12 should be considered estimates (J).

Three of four acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Four of four acid extractable surrogate recoveries for samples MW-6A and MW-6ARE, and 3 of 4 acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Two of four base/neutral surrogate recoveries for sample MW-6ARE, 3 of 4 base/neutral surrogate recoveries for sample MW-6A, and 4 of 4 base/neutral surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Positive results for samples MW-8A, MW-6A and MW-6ARE should be considered estimates (J) and negative results unusable (R).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 6 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample ZZZZZZ33. The RPDs were below the allowable maximums, but 7 of 22 %Rs were outside control limits for MS/MSD sample MW-7. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK43. The %R for 4-nitrophenol in sample SBSPK33 was below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK34 were below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK37 were below QC limits. Results for 1,2,4-trichlorobenzene and 4-nitrophenol should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



Data Validation

**Environmental Chemistry** 

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## QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237960

# Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples MW-4B, MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 1 of 12 %Rs (percent recoveries) was outside QC limits for MS/MSD sample MW-8B. Two of 6 RPDs was below the allowable maximum and 1 of 12 %Rs was outside QC limits for MS/MSD sample ZZZZZ. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample PBSPK23.

The %R for gamma-BHC and aldrin were below QC limits for soil sample PBSPK22.

Results for these two pesticides should be considered estimates (J) in associated samples.

<u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.

<u>Initial Calibration</u>: The %RSDs for target pesticides were below the allowable maximum (20%), as required.

Pesticide Calibration Verification Summary (PEM): The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

- <u>Pesticide Calibration Verification Summary (INDA & INDB)</u>: The %RPDs for target pesticides were below the allowable maximum (25%), as required.
- <u>Pesticide Identification Summary for Single Component Analytes</u>: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target single component pesticides reported in samples contained in this data pack.
- <u>Pesticide Identification Summary for Multi-component Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



Data Validation

**Environmental Chemistry** 

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Sampling Plans

## QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of 2 surrogate recoveries for sample MW-11A was above advisory limits on one column. Positive results for sample MW-11A should be considered estimates (J).

One of 2 surrogate recoveries for samples MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for sample MW-9B, MW-6A, and MW-6B should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample ZZZZ. The RPD was below the allowable maximum (35%), but 1 of 2 %Rs was above QC limits (43-93%) for MS/MSD sample MW-8B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK22 and PBSPK23.

<u>Initial Calibration</u>: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

<u>PCB Analytical Sequence</u>: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (19.9%) for signal #1, and arochlor-1260 (18.4%) for signal #2 were above the allowable maximum (15%) on 07-09-04 (AR166007). The average %Ds for arochlor-1016 (19.5%) for signal #1 and arochlor-1016 (19.9%) for signal #2 were above the allowable maximum (15%) on 07-12-04 (AR166007). The average %Ds for arochlor-1016 (18.2%) for signal #1 and arochlor-1016 (20.6%) for signal #2 were above the allowable maximum (15%) on 07-13-04 (AR166009). Positive results for these arochlors should be considered estimates (J) in associated samples.

<u>PCB Identification Summary for Multicomponent Analytes</u>: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target PCB arochlors reported in samples contained in this data pack.



Data Validation

Environmental Chemistry

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## QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237960

# Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

- <u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).
- CRDL Standard for AA and ICP: The percent recoveries for selenium were below control limits (80-120%) on 07-16-04. The result for selenium in sample MW-8B should be considered an estimate (J).
- <u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.
- ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).
- Spike Sample Recovery: The percent recoveries for iron (46.8%) and silver (58.7%) were below control limits (75-125%) for spike sample MW-7S. The percent recoveries for iron (35.5%), lead (47.8%), selenium (21.2%), and silver (62.3%) was below control limits (75-125%) for the spike sample MW-8BS. Results for iron, lead, selenium, and silver should be considered estimates (J) in associated samples.
- Duplicates: The relative percent differences for lead (109.5%) and selenium (200.0%) were above the allowable maximum (20%) for duplicate sample MW-8BD. Positive results for lead and selenium should be considered estimates (I) in associated samples
- <u>Laboratory Control Sample</u>: The percent recoveries for target metals were within control limits (80-120%) for LCSs.

Standard Addition Results: No samples were quantitated by MSA in this data pack.

ICP Serial Dilution: The analyses of serial dilution samples MW-7L and MW-8BL were acceptable.

<u>Instrument Detection Limits</u>: The IDLs were at or below CRDLs, as required.



Data Validation

Environmental Chemistry

Lab and Field Audits

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### QA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237960

**Ground Water Samples** Collected June 30 and July 1, 2004

> Prepared by: Donald Anné August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) for spike samples ZZZZZS, MW-7S, and MW-8BS.

<u>Duplicates</u>: The analyses of duplicate sample pairs ZZZZZZZZZD, MW-7/MW-7D, and MW-8B/MW-8D reported cyanide as not detected, and are acceptable.

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Data Validation

**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

### QA/QC Review of Total Recoverable Phenolics Data for STL Newburgh, STL Lab No: 237960

**Ground Water Samples** Collected June 30 and July 1, 2004

> Prepared by: Donald Anné August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for the spike samples MW-7 and MW-8B.

<u>Duplicates</u>: The analyses of duplicate samples reported total recoverable phenolics as not detected for both the sample and duplicate, and are acceptable.

Laboratory Control Sample: The percent recoveries for total recoverable phenolics were within control limits for the LCS.

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Hydrology

Remediation

Water Supply

February 10, 2006

Mr. Mark J. Schumacher Delta Environmental Consultants, Inc. 104 Jamesville Road Syracuse, New York 13204

Re:

Data Validation Report

Cooper Project

October 2005 Surface Water Sampling Event

October 2005 Sediment and Test Pit Soil Sampling Events

November 2005 Ground Water Sampling Event

#### Dear Mr. Schumacher:

The data usability summary reports and QA/QC reviews are attached to this letter for the Cooper Project above referenced sampling events. The data for STL Buffalo, job numbers A05-C059/C060, A05-C062, A05-C234, A05-D400, and A05-D401 were mostly acceptable with some issues that are identified and discussed in the validation summaries. There were semi-volatile data that were flagged unusable (R) in data pack job numbers A05-C059/C060 and A05-C062 The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Delta Environmental Consultants, Inc.

Sincerely, Alpha Geoscience

Wonald S

Donald Anné Senior Chemist

DCA:dca attachments

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#### Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

### **Data Validation Acronyms**

AA Atomic absorption, flame technique

BHC Hexachlorocyclohexane BFB Bromofluorobenzene

CCB Continuing calibration blank
CCC Calibration check compound
CCV Continuing calibration verification

CN Cyanide

CRDL Contract required detection limit
CRQL Contract required quantitation limit
CVAA Atomic adsorption, cold vapor technique

DCAA 2,4-Dichlophenylacetic acid

DCB Decachlorobiphenyl

DFTPP Decafluorotriphenyl phosphine ECD Electron capture detector

FAA Atomic absorption, furnace technique

FID Flame ionization detector FNP 1-Fluoronaphthalene GC Gas chromatography

GC/MS Gas chromatography/mass spectrometry

GPC Gel permeation chromatography

ICB Initial calibration blank

ICP Inductively coupled plasma-atomic emission spectrometer

ICV Initial calibration verification IDL Instrument detection limit

IS Internal standard

LCS Laboratory control sample

LCS/LCSD Laboratory control sample/laboratory control sample duplicate

MSA Method of standard additions

MS/MSD Matrix spike/matrix spike duplicate

PID Photo ionization detector
PCB Polychlorinated biphenyl
PCDD Polychlorinated dibenzodioxins
PCDF Polychlorinated dibenzofurans

QA Quality assurance
QC Quality control
RF Response factor

RPD Relative percent difference RRF Relative response factor

RRF(number) Relative response factor at concentration of the number following

RT Retention time

RRT Relative retention time SDG Sample delivery group

SPCC System performance check compound

TCX Tetrachloro-m-xylene %D Percent difference %R Percent recovery

%RSD Percent relative standard deviation



Hydrology

Remediation

Water Supply

# Data Usability Summary Report for STL Buffalo, Job Nos. A05-C059, A05-C060

### 9 Test Pit Soil Samples, 11 Sediment Samples, and 1 Trip Blank Collected October 24 and 25, 2005

Prepared by: Donald Anné February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 9 test pit soil samples that were analyzed for volatile, semi-volatile, and metals; 11 sediment samples that were analyzed for volatile, semi-volatile, PCB, metals, and total organic carbon (TOC); and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods. The samples were prepared and analyzed within SW-846 holding times.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

• The semi-volatile results for bis(2-ethylhexyl)phthalate in the following samples were flagged "not detected" (U) because the concentrations of bis(2-ethylhexyl)phthalate were not significantly greater (more than ten times) than the level in the associated method blank.

SED-10

SED-11

SED-12

SED-14

SED-18

TP-23

TP-26 DL

TP-30

TP-32

- There were semi-volatile results for some compounds in samples TP-21, TP-26, and TP-28 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The several semi-volatile results for sample TP-26 were flagged as "estimated" (J) because the results were quantitated using internal standards IS2 and IS6 with areas outside control limits.
- The "not detected" result for 4,6-dinitro-2-methylphenol in the following test pit soil samples were flagged as "unusable" (R) because the response factor for 4,6-dinitro-2-methylphenol was below the allowable minimum in the associated continuing calibration.

TP-21

TP-23

TP-26

TP-28

TP-OW-2

TP-30

TP-34

TP-35

- All PCB aroclor results for sample SED-18 were flagged as "estimated" (J) because one of two surrogate recoveries were below advisory limits, but was not less than 10%.
- Positive PCB aroclor results for sample SED-14 were flagged as "estimated" (J) and "not detected" aroclor results were flagged unusable (R) because one of two surrogate recoveries was below advisory limits, and was less than 10%.
- All results for antimony and TOC were flagged as "estimated" (J) in all 11 sediment samples
  because spike recoveries for antimony and TOC were below control limits for MS/MSD
  sample SED-19.
- Positive results for manganese were flagged as "estimated" (J) in all 11 sediment samples because spike recoveries for manganese were above control limits for MS/MSD sample SED-19.
- Positive results for chromium, copper, mercury, and zinc were flagged as "estimated" (J) in all 11 sediment and all 9 test pit soil samples because the spike recoveries for these metals were outside control limits for MS/MSD sample SED-19.
- Positive results for arsenic, cadmium, lead, and nickel were flagged as "estimated" (J) in all 11 sediment and all 9 test pit soil samples because the the relative percent differences were above the allowable maximum (10%) for MS/MSD sample SED-19.
- Positive results for calcium, iron, and magnesium were flagged as "estimated" (J) in all 11 sediment samples because the relative percent differences were above the allowable maximum (10%) for MS/MSD sample SED-19.
- Metal results were flagged as "estimated" (J) in all 11 sediment samples and samples TP-21,
   TP-23, and TP26 because the percent solids was below the allowable minimum (50%).

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The "not detected" 4,6-dinitro-2-methylphenol data that were qualified as "R" were associated with method-compliant calibrations, and the response factors for 4,6-dinitro-2-methylphenol were greater than 0.010. It is this reviewer's opinion that although the validation guidelines recommend that the data should be considered unusable, the "R" data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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## QA/QC Review of Volatiles Data for STL Buffalo, Job Nos. A05-C059, A05-C060

### 9 Test Pit Soil Samples, 11 Sediment Samples, and 1 Trip Blank Collected October 24 and 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for 1,1,2,2-tetrachloroethane were below the ASP required minimum, but were greater than 0.010 for HP5973O on 10-31-05. No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-05-05 (O8691.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for chloromethane (28.3%), 2-butanone (29.6%) 4-methyl-2-pentanone (25.8%), and methyl acetate (26.4%) were above the allowable maximum (25%) on 11-01-05 (O8550.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

<u>Blanks</u>: The analyses of method, holding, and trip blanks reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: All internal standard areas and retention times were within control limits.

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- <u>Surrogate Recovery</u>: The surrogate recoveries were within control limits for environmental samples.
- <u>Matrix Spike/Matrix Spike Duplicate</u>: The relative percent differences were below the allowable maximums and percent recoveries were within control limits for MS/MSD sample SED-19.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK99, VBLK00, VBLK02, and VBLK03.
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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## QA/QC Review of Semi-Volatiles Data for STL Buffalo, Job Nos. A05-C059, A05-C060

### 9 Test Pit Soil Samples and 11 Sediment Samples Collected October 24 and 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were below the ASP required minimum but were greater than 0.010, and the %RSDs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but was less than 40% for HP5973V on 10-21-05. No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50 for 2,6-dinitrotoluene was below the ASP required minimum but were greater than 0.010 on 11-02-05 (V12262.RR). The %Ds for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but were less than 40% on 11-03-05 (V12289.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The %D for caprolactam (33.1%) was above the allowable maximum (25%) 11-02-05 (V12262.RR). The %Ds for caprolactam (27.4%), 2,6-dinitrotoluene (30.5%), 2,4-dinitrophenol (99.5%), 2,4-dinitrotoluene (30.8%), and 4,6-dinitro-2-methylphenol (64.3%) were above the allowable maximum (25%) on 11-03-05 (V12289.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

The RFF50 for 4,6-dinitro-2-methylphenol (0.0454) was below the allowable minimum (0.050) on 11-02-05 (V12262.RR). Positive result for 4,6-dinitro-2-methylphenol should be considered estimates (J) and negative results unusable (R) in associated samples.

- <u>Blanks</u>: Method blank S Blank contained a trace of bis(2-ethylhexyl)phthalate (30 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples (J).
- Internal Standard Area Summary: The internal standard retention times were within control limits. Two of six internal standard areas for sample TP-26 (IS2, IS6) were below control limits. Results for sample TP-26 that were quantitated using internal standards IS2 and IS6 should be considered estimates (J).
- <u>Surrogate Recovery</u>: One of four acid extractable surrogate recoveries for samples TP-21, TP-23, TP-28, TP-35, and TP-OW-2 was above control limits. One of four base/neutral surrogate recoveries for sample TP-26 was above control limits. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.
- Matrix Spike/Matrix Spike Duplicate: One of nine relative percent differences was above the allowable maximum, and 1 of 18 %Rs (percent recoveries) was outside control limits for MS/MSD sample SED-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries were within QC limits for sample S Blank.
- <u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were semi-volatile results for samples TP-21, TP-26, and TP-28 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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## QA/QC Review of PCB Data for STL Buffalo, Job Nos. A05-C059, A05-C060

#### 11 Sediment Samples Collected October 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: The surrogates for samples SED-15, SED-16, and SED-17 were diluted beyond detection limits. No action is taken on surrogates diluted beyond detection limits.

One of two surrogate recoveries for sample SED-18 was below advisory limits, but was not less than 10%. All results for SED-18 should be considered estimates (J).

One of two surrogate recoveries for sample SED-14 was below advisory limits and was less than 10%. Positive results for sample SEB-18 should be considered estimates (J) and negative results unusable (R).

- Matrix Spike/Matrix Spike Duplicate: Both relative percent difference were above the allowable maximum (35%) and 1 of 4 %Rs (percent recoveries) was outside QC limits for MS/MSD sample SED-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries for arochlor-1016 and aroclor-1260 were within QC limits for the blank spike sample.
- <u>Initial Calibration</u>: The correlation coefficients for target aroclors were greater than the allowable minimum (0.995).
- Continuing Calibration: The %D for arochlor-1016 (15.6%) was above the allowable maximum (15%) on 10-28-05 (ICM66MJ). Positive results for arochlor-1016 should be considered estimates (J) in associated samples.
- <u>PCB Identification Summary for Multicomponent Analytes</u>: Checked surrogates were within GC quantitation limits. Detected aroclors were confirmed on a second, dissimilar column.

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## QA/QC Review of Metals Data for STL Buffalo, Job Nos: A05-C059, A05-C060

### 9 Test Pit Soil Samples and 11 Sediment Samples Collected October 24 and 25, 2005

Prepared by: Donald Anné February 10, 2006

<u>Holding Times</u>: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

<u>CRDL Standard for AA and ICP</u>: The percent recovery for cadmium (78.0% and 67.0%)) were above control limits (80-120%) for the TAL metal CRDL standard. All results for cadmium that are less than 2 times the CRDL should be considered estimates (J) in sediment samples.

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

<u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for chromium (129.6%, 128.2%), manganese (142.1%, 177.4%), mercury (158.1%, 154.6%), and zinc (132.3%) were above control limits (75-125%) for MS/MSD sample SED-19. Positive results for these metals should be considered estimates (J).

The %Rs for antimony (55.3%, 59.8%) and copper (16.1%) were below control limits(75-125%) but were not less than 10% for MS/MSD sample SED-19. All results for these metals should be considered estimates (J).

<u>Duplicates</u>: The relative percent differences for the following metals were above the allowable maximum (35%) for MS/MSD sample SED-19. Positive results for these metals should be considered estimates (J).

arsenic (56.4%)

cadmium (53.2%)

magnesium (67.5%)

calcium (52.2%)

chromium (100.5%) manganese (37.6%) iron (43.0%)

lead (48.1%) nickel (55.6%)

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<u>Laboratory Control Sample</u>: The recoveries for TAL metals were within control limits for the sediment LCS.

The recoveries for arsenic, beryllium, and copper were above control limits for the soil LCS. Positive results for arsenic, beryllium, and copper should be considered estimates (J) in the test pit soil samples.

<u>ICP Serial Dilution</u>: The %Ds for applicable metals were below the allowable maximum (10%) for serial dilution sample SED-19L, as required.

The %D for nickel (13.4%) was abobe the allowable maximum (10%) for serial dilution sample TP-21L. Results for nickel that are above the CRDL should be considered estimates (J) in test pit soil samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

<u>Percent Solids</u>: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J).

SED-10 (33%)	SED-11 (39%)	SED-12 (23%)	SED-13 (42%)
SED-14 (43%)	SED-15 (20%)	SED-16 (17%)	SED-17 (15%)
SED-18 (24%)	SED-19 (47%)	SED-19A (43%)	TP-21 (43%)
TP-23 (45%)	TP-26 (47%)	•	



### QA/QC Review of Total Organic Carbon (TOC) Data for STL Buffalo, Job Nos. A05-C059, A05-C060

#### 11 Sediment Samples Collected October 25, 2005

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Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for TOC were within control limits (85-115%).

Blanks: The analyses of continuing calibration and method blanks reported TOC as not detected.

Spike Sample Recovery: The percent recoveries for TOC were below control limits (75-125%) for MS/MSD sample SED-19. Results for TOC should be considered estimates (J).

<u>Duplicates</u>: The relative percent difference for TOC was above the allowable maximum (35%) for MS/MSD sample SW-19, as required. Positive results for TOC should be considered estimates (J).

<u>Laboratory Control Sample</u>: The percent recovery for TOC was within control limits (80-120%) for the LCS.

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## Data Usability Summary Report for STL Buffalo, Job No. A05-C062

#### 11 Surface Water Samples and 1 Trip Blank Collected October 25, 2005

Prepared by: Donald Anné February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results for 11 surface water samples that were analyzed for volatile, semi-volatile, metals and total recoverable phenolics, and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods. The samples were prepared and analyzed within SW-846 holding times.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- There were volatile results for some compounds in sample SW-16 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The "not detected" results for 4,6-dinitro-2-methylphenol in all surface water samples except SW-12 and SW-13 were flagged as "unusable" (R) because the response factor for 4,6-dinitro-2-methylphenol was below the allowable minimum in the associated continuing calibration.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The "not detected" 4,6-dinitro-2-methylphenol data that were qualified as "R" were associated with method-compliant calibrations, and the response factors for 4,6-dinitro-2-methylphenol were greater than 0.010. It is this reviewer's opinion that although the validation guidelines recommend that the data should be considered unusable, the "R" data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.

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## QA/QC Review of Volatiles Data for STL Buffalo, Job No. A05-C062

#### 11 Surface Water Samples and 1 Trip Blank Collected October 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for 1,1,2,2- tetrachloroethane were below the ASP required minimum, but were greater than 0.010 for HP5973O on 10-31-05. No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 10-31-05 (O8529.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

<u>Blanks</u>: The analyses of method, holding, and trip blanks reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, but all the percent recoveries were outside control limits for MS/MSD sample SW-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

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Blank Spike Recovery: The percent recoveries were within QC limits for sample VBLK93.

<u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for sample SW-16 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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### QA/QC Review of Semi-Volatiles Data for STL Buffalo, Job No. A05-C062

11 Surface Water Samples Collected October 24, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were below the ASP required minimum but were greater than 0.010, and the %RSDs for 2,6-dinitrotoluene, and 2,4-dinitrotoluene were above ASP required maximum, but was less than 40% for HP5973V on 10-21-05. No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %RSDs are not greater than 40% and the RRFs are not less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) for HP5973V on 10-25-05. Positive results for these two compounds should be considered estimates (J) in associated samples.

Continuing Calibration: The %D for 2,4-dinitrotoluene was above the ASP required maximum, but was less than 40% on 11-01-05 (V12234.RR). The RRF50 for 2,6-dinitrotoluene was below the ASP required minimum but was greater than 0.010 on 11-02-05 (V12262.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The RFF50 for 4,6-dinitro-2-methylphenol (0.0454) was below the allowable minimum (0.050) on 11-02-05 (V12262.RR). Positive result for 4,6-dinitro-2-methylphenol should be considered estimates (J) and negative results unusable (R) in associated samples.

The %Ds for 2,4-dinitrophenol (53.1%), 2,4-dinitrotoluene (29.3%), and 4,6-dinitro-2-methylphenol (38.2%) were above the allowable maximum (25%) on 11-01-05 (V12234.RR). The %D for caprolactam (33.1%) was above the allowable maximum (25%) 11-02-05 (V12262.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

- <u>Internal Standard Area Summary</u>: The internal standard areas and retention times were within control limits.
- <u>Surrogate Recovery</u>: One of four acid extractable surrogate recoveries for samples SW-17 and SW-19A was above control limits. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.
- Matrix Spike/Matrix Spike Duplicate: One of nine relative percent differences was above the allowable maximum, and 3 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample SW-19. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries were within QC limits for sample S Blank.
- <u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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## QA/QC Review of Metals Data for STL Buffalo, Job No. A05-C062

### 11 Surface Water Samples Collected October 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

- <u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110%).
- <u>CRDL Standard for AA and ICP</u>: The percent recoveries for target metals were within control limits (80-120%).
- <u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.
- ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).
- <u>Spike Sample Recovery</u>: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD sample SW-19.
- <u>Duplicates</u>: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD sample SW-19, as required.
- <u>Laboratory Control Sample</u>: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCS.
- <u>ICP Serial Dilution</u>: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample SW-19L, as required.

<u>Instrument Detection Limits</u>: The IDLs were at or below CRDLs, as required.

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### QA/QC Review of Total Recoverable Phenolics Data for STL Buffalo, Job No. A05-C062

11 Surface Water Samples Collected October 25, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial Calibration</u>: The correlation coefficient (0.999999) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

<u>Spike Sample Recovery</u>: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample SW-19.

<u>Duplicates</u>: The relative percent difference for total recoverable phenolics was below the allowable maximum (20%) for MS/MSD sample SW-19, as required.

<u>Laboratory Control Sample</u>: The percent recovery for total recoverable phenolics was within control limits (80-120%) for the aqueous LCS.

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### **Data Usability Summary Report for** STL Buffalo, Job No. A05-C234

#### 11 Test Pit Soil Samples Collected October 26 and 27, 2005

Prepared by: Donald Anné February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 11 test pit soil samples for volatile, semi-volatile, and metal analyses.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results for 2-butanone in samples TP-42 DL and TP-49 were flagged "estimated" (J) because the %Ds for 2-butanone were above the allowable maximum for the associated continuing calibrations.
- There were volatile results for some compounds in samples TP-42 and TP-48 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The semi-volatile results for bis(2-ethylhexyl)phthalate in the following samples were flagged "not detected" (U) because the concentration of bis(2-ethylhexyl)phthalate were not significantly greater (more than ten times) than the level in the associated method blank.

TP-40 TP-42 TP-44

TP-45

TP-49

TP-53

TP-55

TP-58

- Positive results for cadmium, chromium, copper, lead, mercury, and zinc were flagged as "estimated" (J) in all 11 test pit soil samples because spike recoveries for the six metals were above control limits and the relative percent differences for cadmium, copper, lead, and zinc were above the allowable maximum for MS/MSD sample TP-44.
- Metal results for the following samples were flagged as "estimated" (J) because the percent solids was below the allowable minimum (50%).

TP-42	TP-44	TP-45	TP-45-1
TP-48	TP-53	TP-55	

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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## QA/QC Review of Volatiles Data for STL Buffalo, Job No. A05-C234

#### 11 Test Pit Soil Samples Collected October 26 and 27, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-07-05 (O8760.RR). The RFF50 for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 11-07-05 (O8761.RR). No action is taken when two or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and RRF50s are not less than 0.010.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 2-butanone (27.0%) was above the allowable maximum (25%) on 11-07-05 (O8760.RR). The %D for 2-butanone (28.0%) was above the allowable maximum (25%) on 11-07-05 (O8761.RR). Positive results for 2-butanone should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: All internal standard areas and retention times were within control limits.

<u>Surrogate Recovery</u>: The surrogate recoveries were within control limits for environmental samples.

- Matrix Spike/Matrix Spike Duplicate: The percent recoveries were within control limits, but 1 of 5 relative percent differences was above the allowable maximum for MS/MSD sample TP-44. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK04, VBLK05, VBLK06, and VBLK07.
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for samples TP-42 and TP-48 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



Hydrology

Remediation

Water Supply

### QA/QC Review of Semi-Volatiles Data for STL Buffalo, Job No. A05-C234

### 11 Test Pit Soil Samples Collected October 26 and 27, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

<u>Continuing Calibration</u>: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RFF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for hexachlorocyclopentadiene (29.4%), 2,4-dinitrophenol (41.8%), and 4,6-dinitro-2-methylphenol (37.5%) were above the allowable maximum (25%) on 11-11-05 (V12358.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

<u>Blanks</u>: Method blank SBLK47 contained a trace of bis(2-ethylhexyl)phthalate (37 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples (J).

<u>Internal Standard Area Summary</u>: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and percent recoveries were within control limits for MS/MSD sample TP-44.

Blank Spike Recovery: The percent recoveries were within QC limits for sample SBLK47.

<u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



Hydrology

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Water Supply

## QA/QC Review of Metals Data for STL Buffalo, Job No: A05-C234

### 11 Test Pit Soil Samples Collected October 26 and 27, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

<u>CRDL Standard for AA and ICP</u>: The percent recovery for lead (132.8%) was above control limits (80-120%). Positive results for lead that are less than 2 times the CRDL should be considered estimates (J).

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

<u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for the following metals were above control limits (75-125%) for MS/MSD sample TP-44.

cadmium (169.1%)

chromium (145.9%)

copper (236.7%, 152.3%)

lead (1000.3%, 449.7%)

mercury (169.7%, 142.4%)

zinc (276.2%, 182.0%)

In addition, the %Rs for copper, lead, and zinc were above 200%. Positive results for cadmium, chromium, and mercury should be considered estimates (J) and positive results for copper, lead and zinc should be considered unusable (R), however, the sample used for the MS/MSD, sample TP-44, contained 65% water. This results in a percent solids that is lower than the EPA Region II allowable minimum (50%), resulting in a higher uncertainty; therefore positive results for all the above metals should be considered estimates (J).

<u>Duplicates</u>: The relative percent differences for cadmium (46.0%), copper (41.1%), lead (71.1%) and zinc (45.3%) were above the allowable maximum (35%) for MS/MSD sample TP-44. Positive results for these four metals should be considered estimates (J).

<u>Laboratory Control Sample</u>: The recoveries for target metals were within control limits for the LCSs.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample TP-44L, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

<u>Percent Solids</u>: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J).

TP-42 (48%) TP-44 (35%) TP-45 (46%) TP-45-1 (48%) TP-48 (43%) TP-53 (34%)



Hydrology

Remediation

Water Supply

### Data Usability Summary Report for STL Buffalo, Job No. A05-D400

#### 14 Ground Water Samples and 1 Trip Blank Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 14 ground water samples analyzed for volatile, semi-volatile, metal, and total recoverable phenolic analyses and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The semi-volatile acid extractable results reported as "not detected" for sample MW-6A were flagged as "unusable" (R) because one acid extractable surrogate recovery was below control limits and was less than 10%.
- The result for selenium in sample MW-11A was flagged as "estimated" (J) because the percent recovery for selenium was below control limits for the associated CRDL standard.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Water Supply

### QA/QC Review of Volatiles Data for STL Buffalo, Job No. A05-D400

#### 14 Ground Water Samples and 1 Trip Blank Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

<u>Continuing Calibration</u>: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for acetone (46.7%), 2-butanone (65.7%), 2-hexanone (28.9%), dichlorodifluoromethane (59.2%), and trichlorofluoromethane (28.9%) were above the allowable maximum (25%) on 11-29-05 (O9061.RR). The %Ds for chloromethane (29.0%), acetone (38.9%), 2-butanone (54.2%), dichlorodifluoromethane (58.1%), trichlorofluoromethane (38.4%), and 1,1,2-trichloro-1,2,2-trifluoroethane (27.5%) were above the allowable maximum (25%) on 11-30-05 (O9087.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

<u>Blanks</u>: The analyses of method, holding, and trip blanks reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: All internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

- Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, and the percent recoveries (%Rs) were within control limits for MS/MSD sample MW-4A. The RPDs were below the allowable maximums, but 1 of 10 %Rs was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBLK19 and VBLK20.
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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#### QA/QC Review of Semi-Volatiles Data for STL Buffalo, Job No. A05-D400

#### 14 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for caprolactum (52.00%) was above the allowable maximum (30%) for HP5973W. Positive results for caprolactum should be considered estimates (J) in associated samples.

Continuing Calibration: The %D for p-terphenyl-d14 was above the ASP required maximum, but was less than 40% on 12-01-05 (W06805.RR). No action is taken when four or fewer compounds per calibration do not meet ASP criteria, provided the %Ds are not greater than 40% and the RRF50s are not less than 0.010.

The RFF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for caprolactum (47.8%) and di-n-octylphthalate (43.3%) were above the allowable maximum (25%) on 11-30-05 (W06780.RR). The %Ds for benzaldehyde (49.5%), caprolactum (53.5%), 2,4-dinitrophenol (63.7%), and 4,6-dinitro-2-methylphenol (30.0%) were above the allowable maximum (25%) on 12-01-05 (W06805.RR). The %Ds for benzaldehyde (47.4%), caprolactum (34.7%), and 2,4-dinitrophenol (29.4%) were above the allowable maximum (25%) on 12-02-05 (W06833.RR). Positive results for the above compounds should be considered estimates (J) in associated samples.

<u>Blanks</u>: The analysis of the method blank reported target compounds as not detected.

- <u>Internal Standard Area Summary</u>: The internal standard areas and retention times were within control limits.
- <u>Surrogate Recovery</u>: One of four base/neutral surrogate recoveries for sample MW-11C was below control limits, but was not less than 10%. No action is taken on surrogate per fraction outside control limits, provided no recovery is less than 10%.
  - One of four acid extractable surrogate recoveries for sample MW-6A was below control limits, and was less than 10%. Positive results for acid extractable compounds should be considered estimates (J) and negative results unusable (R) in sample MW-6A.
- Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum, but 3 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample MW-4A. The RPDs were below the allowable maximum, but 1 of 18 %Rs (percent recoveries) was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recovery for pentachlorophenol was above QC limits for sample S Blank. Positive results for pentachlorophenol should be considered estimates (J) in associated samples.
- <u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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Water Supply

#### QA/QC Review of Metals Data for STL Buffalo, Job No. A05-D400

#### 14 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110%).

CRDL Standard for AA and ICP: The percent recoveries for cadmium (122.0%) and lead (125.8%) were above control limits (80-120%). Positive results for cadmium and lead that are less than 2 times the CRDL should be considered estimates (J) in associated samples. No action was taken because only sample MW-11A was associated with this CRDL standard and reported both metals as not detected.

The percent recovery for selenium (74.5%) was below control limits (80-120%). All results for selenium that are less than 2 times the CRDL should be considered estimates (J) in associated samples.

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD samples MW-4A and MW-9B.

<u>Duplicates</u>: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, and duplicate samples MW-4AD and MW-9BD, as required.

<u>Laboratory Control Sample</u>: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCSs.

<u>ICP Serial Dilution</u>: The analyses of serial dilution samples MW-4AL and MW-9BL were within method criteria.

<u>Instrument Detection Limits</u>: The IDLs were at or below CRDLs, as required.



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Water Supply

#### QA/QC Review of Total Recoverable Phenolics Data for STL Buffalo, Job No. A05-D400

#### 14 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial Calibration</u>: The correlation coefficient (0.999832) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

<u>Spike Sample Recovery</u>: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample MW-4A and MW-9B.

<u>Duplicates</u>: The relative percent differences for total recoverable phenolics were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, as required.

<u>Laboratory Control Sample</u>: The percent recoveries for total recoverable phenolics were within control limits (80-120%) for the aqueous LCSs.

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Hydrology

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Water Supply

### Data Usability Summary Report for STL Buffalo, Job No. A05-D401

#### 11 Ground Water Samples and 1 Trip Blank Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of 11 ground water samples analyzed for volatile, semi-volatile, metal, and total recoverable phenolic analyses and 1 trip blank analyzed for volatiles only.

The overall performances of the analyses are acceptable. STL Buffalo did fulfill the requirements of the analytical methods.

The data are acceptable with minor some issues that are identified in the accompanying data validation reviews. There were no data flagged as either rejected (R) or estimated (J) in this data pack. Detailed information on data quality is included in the data validation reviews.

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Hydrology

Remediation

Water Supply

### QA/QC Review of Volatiles Data for STL Buffalo, Job No. A05-D401

#### 11 Ground Water Samples and 1 Trip Blank Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

<u>Continuing Calibration</u>: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for acetone (44.0%), 2-butanone (48.2%), 2-hexanone (28.4%), and dichlorodifluoromethane (28.6%) were above the allowable maximum (25%) on 11-28-05 (O9021.RR). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of method, holding, and trip blanks reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: All internal standard areas and retention times were within control limits.

<u>Surrogate Recovery</u>: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, and the percent recoveries (%Rs) were within control limits for MS/MSD sample MW-4A.

The RPDs were below the allowable maximums, but 1 of 10 %Rs was outside control limits for MS/MSD sample MW-9B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples. (This data is contained in Job No. A04-D400)

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBLK18.

<u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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Water Supply

#### QA/QC Review of Semi-Volatiles Data for STL Buffalo, Job No. A05-D401

#### 11 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: Samples were extracted and analyzed SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The compounds with ASP criteria for RRFs and %RSDs met those requirements.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for caprolactum (52.00%) was above the allowable maximum (30%) for HP5973W. Positive results for caprolactum should be considered estimates (J) in associated samples.

<u>Continuing Calibration</u>: The compounds with ASP criteria for RRF50s and %Ds met those requirements.

The RFF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

<u>Internal Standard Area Summary</u>: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 2 of 18 %Rs (percent recoveries) were outside control limits for MS/MSD sample MW-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

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- Blank Spike Recovery: The percent recovery for pentachlorophenol was above QC limits for sample S Blank. Positive results for pentachlorophenol should be considered estimates (J) in associated samples.
- <u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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Water Supply

#### QA/QC Review of Metals Data for STL Buffalo, Job No. A05-D401

#### 11 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110%).

<u>CRDL Standard for AA and ICP</u>: The percent recoveries for target metals were within control limits (80-120%).

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

<u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for target metals were within control limits (75-125%) for MS/MSD samples MW-4A and MW-9B. (This data is contained in Job No. A04-D400)

<u>Duplicates</u>: The relative percent differences for target metals were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, and duplicate samples MW-4AD and MW-9BD, as required. (This data is contained in Job No. A04-D400)

<u>Laboratory Control Sample</u>: The percent recoveries for target metals were within control limits (80-120%) for the aqueous LCS.

ICP Serial Dilution: The analysis of serial dilution sample MW-1SL was within method criteria.

<u>Instrument Detection Limits</u>: The IDLs were at or below CRDLs, as required.

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Hydrology

Remediation

Water Supply

#### QA/QC Review of Total Recoverable Phenolics Data for STL Buffalo, Job No. A05-D401

#### 11 Ground Water Samples Collected November 21 and 22, 2005

Prepared by: Donald Anné February 10, 2006

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial Calibration</u>: The correlation coefficient (0.999832) was above the allowable minimum (0.995), as required.

Blanks: The analyses of the method blank reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for MS/MSD sample MW-4A and MW-9B. (This data is contained in Job No. A04-D400)

<u>Duplicates</u>: The relative percent differences for total recoverable phenolics were below the allowable maximum (20%) for MS/MSD samples MW-4A and MW-9B, as required. (This data is contained in Job No. A04-D400)

<u>Laboratory Control Sample</u>: The percent recovery for total recoverable phenolics was within control limits (80-120%) for the aqueous LCS.

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# ATTACHMENT 2 ANALYTICAL DATA SUMMARY PACKAGES



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: <u>A05-C062</u>

SIL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

Brian J. Fischer Project Manager

11/15/2005

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### STL Buffalo Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/8 <b>8-</b> 0586
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
illinois	NELAP SDWA, CWA, RCRA	200003
lowa	sw/cs	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	. SDWA	294
Massachusetts	SDWA, CWA	M-MY044
Michigan	SDIVA	9937
Minnesota	· CWA, RCRA	03 <del>6-99<b>9-33</b>7</del>
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	· C254
West Virginia	CWA	252
Wisconsin	CWA	998310390
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Sample Data Summary Package

#### SAMPLE SUMMARY

	AD CAMELE TO			SAMP	LED	RECEIV	ED
	LAB SAMPLE ID		MATRIX	DATE	TIME	DATE	TIME
	A5C06201	SW-10	WATER	10/25/2005	15:00	10/26/2005	10:00
	A5C06202	SW-11	WATER	10/25/2005	14:30	10/26/2005	10:00
	A5C06203	SW-12	WATER	10/25/2005	14:00	10/26/2005	10.00
ı	A5C06204	<i>S</i> W-13	WATER	10/25/2005	13:30	10/26/2005	10.00
	A5C06205	SW-14	WATER	10/25/2005	13:00	10/26/2005	10.00
ĺ	A5C06206	SW-15	WATER	10/25/2005	11.45	10/26/2005	10.00
	A5C06207	SW-16	WATER			10/26/2005	
1	A5C06208	SW-17	WATER	10/25/2005	10.45	10/26/2005	10:00
ļ	A5C06209	SW-18	WATER			10/26/2005	
	A5C06210	SW-19	WATER				
1	A5C06210MS	SW-19		10/25/2005	09:45	10/26/2005	10:00
Ì	A5C06210SD	-··	WATER	10/25/2005	09:45	10/26/2005	10:00
		SW-19	WATER	10/25/2005	09:45	10/26/2005	10:00
l	A5C06211	SW-19A	WATER	10/25/2005	09:55	10/26/2005	10:00
l	A5C06212	TRIP BLANK	WATER	10/25/2005		10/26/2005	

#### METHODS SUMMARY

Job#: <u>A05-C062</u>

STL Project#: NY4A9341 Site Name: Delta Environmental Consultants, Inc.

PARAMETER PARAMETER	1A 	VALYTICAL METHOD
DELTA - AQ - ASP 2000/8260 - TCL VOLATTLES	ASP00	8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00	8270
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Nickel - Total	ASP00	6010
Zinc - Total	ASP00	6010
Total Recoverable Phenolics	ASP00	420.2

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

#### NON-CONFORMANCE SUMMARY

Job#: A05-C062

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

#### Sample Receipt Comments

#### A05-C062

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C All samples were received in good condition.

#### GC/MS Volatile Data

The Matrix Spike and Matrix Spike Duplicate of sample SW-19 was inadvertently spiked at 25 ngs on column instead of the recommended 50 ngs. For method 8260 ASP 2000 protocol, all of the recoveries in the Matrix Spike and Matrix Spike Duplicate of sample SW-19 fell below the QC limits. The Matrix Spike Blank recoveries are compliant.

All samples were preserved to a pH less than 2.

The Storage Blank, VHB, was not analyzed following analysis of all field samples in the job.

#### GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike SW-19 and Matrix Spike Duplicate SW-19. Since the Matrix Spike Blank A5B1659001 was compliant, no corrective action was required.

The spike recovery for Pyrene was below the method defined quality control limit in the Matrix Spike SW-19. Since the Matrix Spike Blank A5B1659001 was compliant, no corrective action was required.

The relative percent difference between the Matrix Spike SW-19 and the Matrix Spike Duplicate SW-19 exceed quality control limits for Pyrene.

#### <u>Metalls Data</u>

The recovery of sample SW-19A Post Spike exhibited results below the quality control limits for Calcium. However, the LFB was acceptable.

#### Wet Chemistry Data

The ICS ERA P119502 recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer Project Manager

11-16-05

Date

Date: 11/15/2005 Time: 13:02:14

Dilution Log w/Code Information For Job A05-C062 8/1185

Rept: AN1266R

	lient Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
S₩-	10	A5C06201	8270	5.00	
s₩-	11	A5C06202	8270	10.00	012
SW-	16	A5C06207	8270	5.00	012
SH-	16	A5C06207DL	8260	25.00	008
sw-	17	A5C06208	8270	5.00	

#### Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: \$EVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	<u> </u>	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY	
SW-10	A5C06201	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-11	A5C06202	ASP00	ASP00		-	ASP00	-	ASP00	
SW-12	A5C06203	ASP00	ASP00	_		ASP00	<u>-</u>	ASP00	
SW-13	A5C06204	ASP00	ASP00	-		ASP00	_	ASP00	
SW-14	A5C06205	ASP00	ASP00	-		ASP00	<del>-</del>	ASP00	
SW-15	A5C06206	ASP00	ASP00	-	_	ASP00	_	ASP00	
SW-16	A5C06207	ASP00	ASP00	· -		ASP00	<del>-</del>	ASP00	
SW-17	A5C06208	ASP00	ASP00	•	-	ASP00	<u>.</u>	ASP00	
SW-18	A5C06209	ASP00	ASP00	-		ASP00	-	ASP00	
SW-19	A5C06210	ASP00	ASP00	-	-	ASP00	-	ASP00	
SW-19A	A5C06211	ASP00	ASP00	<del>-</del>	_	ASP00	_	ASP00	

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

LAB NAME: \$EVERN TRENT LABORATORIES, INC.

AD TAXABLE BE TERM TIVE	ATT DIEDORATI	Oldia, IIIC,			
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SW-10	WATER	10/25/2005	10/26/2005	-	11/01/2005
SW-11	WATER	10/25/2005	10/26/2005	<u>-</u>	10/31/2005
SW-12	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-13	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-14	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-15	WATER	10/25/2005	10/26/2005	-	11/01/2005
SW-16	WATER	10/25/2005	10/26/2005	_	10/31-11/01/2005
SW-17	WATER	10/25/2005	10/26/2005	~	10/31/2005
SW-18	WATER	10/25/2005	10/26/2005	-	10/31/2005
SW-19	WATER	10/25/2005	10/26/2005	_	10/31/2005
SW-19A	WATER	10/25/2005	10/26/2005	~	10/31/2005

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYSIS SUMMARY B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

'Y <mark>r naw</mark>	<u>E; SEVERN TRE</u>	MI LABOKAT	ORIES, INC.			
IDE	SAMPLE NTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
	SW-10	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-11	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	SW-12	WATER	10/25/2005	10/26/2005	10/27/2005	11/01/2005
	SW-13	WATER	10/25/2005	10/26/2005	10/27/2005	11/01/2005
	\$W-14	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-15	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-16	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-17	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-18	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	\$W-19	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005
	SW-19A	WATER	10/25/2005	10/26/2005	10/27/2005	11/02/2005

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

1D 17/11/11/	DETERM 11	UNIT LADO	RATURIES, INC.			
II.	IPLE ICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
SV	V-10	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SV	V-11	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SV	V-12	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sv	V-13	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sv	V-14	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sv	V-15	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sv	V-16	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SV	V-17	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sv	V-18	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
SV	V-19	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005
sw	-19A	WATER	7 metals	10/26/2005	11/01/2005	11/01/2005

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: \$EVERN TRENT LABORATORIES, INC.

AD NAME. DE	THE PROPERTY OF THE PARTY OF TH	LABORAT	ordio, me,			
II I	IPLE ICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
SW	<b>/</b> -10	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	7-11	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	7-12	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	/-13	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	7-14	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	<b>7-15</b>	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	<b>7-16</b>	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	<b>7-17</b>	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	<b>7-18</b>	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
SW	<b>'-</b> 19	WATER	ASP00_	SEPF	AS REQUIRED	AS REQUIRED
SW-	19A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

* <del>                                    </del>	. DD ( DIG ( 11CL	MI PADOKAI	Oldiss, INC.			
<b>11</b>	ORATORY IPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
	\$W-10	WATER	ASP00	AȘP00	AS REQUIRED	AS REQUIRED
	\$W-11	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
-	\$W-12	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	SW-13	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-14	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-15	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-16	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-17	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-18	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	\$W-19	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
S	W-19A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

#### GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-C062	SDG/Case	
Flie ID	V12260	Lab ID	A5C06204
Date	11/1/2005	Client ID	3/2
Initial Volume (r	nL) 980	Injection Volume (uL)	2.00
Final Volume (n			
Dilution Factor	1.00	GPC	www.seconder.com

Retenti	on Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
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20-224-69 <b>4</b>	3 3	TYPE1		6:97	
55 <b>16</b>	.87	2 TYPE1	7 % (	6.48	
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Unknown Straight Chain Alkane Unknown Branched Alkane

Type 1 Type 2 Type 3 Type 4

Unknown Cyclic Alkane

Unknown Alkane

### GC/MS Semivolatile Tentatively Identified Alkanes

Job: A05-C062		rikanes
File ID V12268 Date 11/1/2005	SDG/Case Lab ID Client ID	A5C06208
Initial Volume (mL) 1045 Final Volume (mL) 1.0	Injection Volume (uL)	SW-17
Dilution Factor 5.00	GPC	N

Retention Time	Compound	CAS Number	Column	
16.86		1 T	Column Conc. (ng)	Estimated Concentration (ug/L
10.00	TYPE1			
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Alkane Types

Type 1 Type 2 Type 3

Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane

Unknown Cyclic Alkane Unknown Alkane

### **GC/MS Semivolatile Tentatively Identified Alkanes**

Job:	A05-C062	SDG/Case	
File ID	V12273	Lab ID	A5C06214
Date	11/2/2005	Client ID	SW-19A
			0.00
Initial Volume (mL	1020	Injection Volume (uL)	2.00
Final Volume (mL)			
Dilution Factor	是一个现代的一个企业的工程,100	GPC	

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
<b>16.3</b>	HEPTACOSANE	593-49-7	13.48 75.93	37
16.87	NONACOSANE	630-03-5 630-04-6	117.38	58
深慮な、 <b>17.5</b> 1	HENTRIACONTANE TRITRIAGONTANE	630-04-6	30.39	三国(15)
1831	TRITRIAGONTANE	030-03-7		
성동한 소문을 발견되었다. - 대한민국은 발생하다				
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	是一种企业的企业。 A. · · · · · · · · · · · · · · · · · · ·	VETERINE SAN DEE	表示表 医外侧性 电影 医电影 医电影	事的事。但如 <b>0</b> 种种理事事件。
na o registro de la Arte d Antonio de la Calaberto				0.7
AL ME AL ESMAN	E PERMENT NEW TOTAL	和特殊的特殊的。	2000年,2000年度 第1888年 - 1888年 - 1888年 - 1888年 - 1888年	0
		Profesional Company	對各語、管理整理學學學學學	0 7 THE TOTAL THE
		表的 医毛球型	<b>在4</b> 《表表示》	
T. 2012 (1) F. 1. 1 F. 10 F. 10	数 2002 1003 1000 1000 1000 1000	in Figure will.	<b>"这个是一个是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个</b>	0
ings in 12 14 75	等 的文字 <u>全接连接的</u> 企业。这是	经经验扩张建筑	450.为原理的方面在逐步有差	
	20 字说文章: 是是是"And And And And And And And And And And	1000年2月2日 1000年1月1日 1000年1月1日		
HE SOLL SERVICES	相 於詩 心器 語為 心心 生態所謂		A PARTY OF	0
र्वे अवस्थान प्रदेशक विश्व स्थान है । स् इंक्ष्मिल्य स्थान के स्थान स्थान है ।	也。 2.	· 努力医验验基础性	ALDERNALD DEFENDACION PROPERTY	0
第一名 经	江 严控严厉的 经总额 医克里斯氏	定為資本產業的	至1000次是,2017年2012年2017年2017年2017年2017年2017年2017年	
Paratrasida (New J. L. 19	(1)		<b>新疆是这种特殊的是对象的</b>	
<b>新年在1800年</b> 2000年2	<b>公</b> 行前的医院的一种最后的基础	. 最高的最高。第二次是		
美商業 西海斯	。 1.	是 拉克斯尔 化苯基		0
	7 - Table 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	<b>建筑是是强度的</b> 。		0
生物的 医外丛中毒		1724-1-100		
	新·新華華。第二十四次新華華華華華	在美国情况上至人产生的。 ————————————————————————————————————	京都の100mmでは、1	0
		· 建物等运动系统。	現状を含じては一部では2000年には2000年に2000年代   Record   1940年に対象が1980年には2000年代に対象が1980年代	
		(2) 医内容性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性性	。 第17章 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0
×26216-126   6532-576				0
	경기 57 연간 전기 등 하는 12 전 전 경기 (12 12 12 12 12 12 12 12 12 12 12 12 12 1	<ul> <li></li></ul>		0
经分别 医阴茎的 机电流系统		日本学になる。 日本学になる。 日本学の日本学	有1.10万元。1906年10万元,15万元,15万元。 1.5万元,15万元,15万元,15万元。	0-25
		a resultudos subsectivados. A resultariora de procesos		7 0
a distribution of the state of	하는 전에 발표하고 생각하는 생각하고 있다. 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	<ul> <li>(2000) をからいないというという。</li> <li>(2000) できない まじゅうしゃない。</li> </ul>		<del>但是是一种最小的国际的工程和自己的工程和自己的工程和自己的工程和自己的工程和自己的工程和自己的工程和自己的工程和自己的工程和自己的工程和工程和工程和工程和工程和工程和工程和工程和工程和工程和工程和工程和工程和工</del>
	보다 (1922년 2월 1일 전략으로 1917년 1일 1일 1922년 1월 1일 1924년 1922년 1일 대한민국의 1922년 1일			
				OFFE
	사용이 환경한 유선한 대학 유수에서 기업을 받아 있는데 나는 사람들이 많은 하는 이 유럽의 기본 전략이 있는 사람들이 되었다면 보다 되었다.	n na mar na marka. Na marakanan		[[] [[] [] [] [] [] [[] [] [] [] [] [] [
- 1 to the test what	<ul> <li>(2) 한다고 사용하는 성인 사실로 하나를 받아 하는 경기를 받아 하는 것이 되었다.</li> </ul>			
				- Control of the Cont

Alkane Types

Type 1 Type 2 Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane



#### DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

#### ORGANIC DATA QUALIFIERS

ND o	U	Indicates compound was anal	Wad for	but not detect a
	ļ	The second of the second secon	iyzeu ior,	put not detected.

- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aidol-condensation product.
- Indicates coefution.
  - Indicates analysis is not within the quality control limits.

#### INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- Indicates a value estimated or not reported due to the presence of interferences.

  H. Indicates analytical holding the same to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
  - Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

#### DELLA - AL - ASP 2000/8260 - ICL VOLATILES ANALYSIS DATA SHEET

#### 19/1185

Client No.

o Name	: SIL Buffalo Contract:		SW-10	
	RECNY Case No.: SAS No.:			
trix:	(soil/water) <u>WATER</u>	Lab Sample ID:		
tple wt	/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:		
	(low/med) <u>LOW</u>			
bistur	e: not dec Heated Purge: N	Date Samp/Recv: Date Analyzed:		10/26/2005
(Column	DB-624 ID: <u>0.25</u> (mm)	Dilution Factor:	_	
	act Volume: (uL)	Soil Aliquot Vol		(sat )
	TAS NO. COMPOUND	CONCENTRATION UNITS:		·
7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 7 6 7 7 7 7 6 7	74-87-3		10 UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	Q
1830   75-7	-42-5Styrene 0-20-7Total Xylenes 71-8Dichlorodifluoromethane	10	ט ט	
/p-6	59-4Trichlorofluoromethane	10	1 -	

20/1185

	1					· · · · · · · · · · · · · · · · · · ·		
Lab Name	SIL Buffal	<u>.o</u>	Contract:			SW-10		
		ase No.:						
Matrix:	(soil/water)	WATER		Lab Sampl			17	
Sample w	t/vol:	5.00 (g/mL) 1	<u>«</u>	Lab File				•
Level:	(low/med)	LOW		Date Samp				- /26/2005
% Moistu	re: not dec.	Heated	Purge: N	Date Anal				/20/2005
3C Column	: <u>DB-624</u>	ID: <u>0.25</u> (mm	)	Dilution				
Soil Extr	act Volume:	(uL)		Soil Aliq				(13T.)
ıf-	CAS NO.			CONCENTRATION (ug/L or ug/I	UNTTS.		Q	()
	1634-04-4 156-59-2 110-82-7 108-87-2 106-93-4 106-93-4 106-46-7 106-46-7 105-50-1 10-82-1	1,1,2-Trichlortrans-1,2-DichMethyl-t-Butylcis-1,2-DichlorCyclohexaneMethylcyclohex1,2-DibromoethIsopropylbenze1,3-Dichlorobe1,4-Dichlorobe -1,2-Dibromo-31,2,4-TrichloroMethyl acetate	Ether (MIBE)  proethene  ane ane ne nzene nzene nzene chloropropane		] ] 1 1	0	ם ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

# DELIA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS 21/1185

	•		Client No.
Lab Name: STL Buffalo	Contract:	_	SW-10
Lab Code: <u>RECNY</u> Case No.:			
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	A5C06201
Sample wt/vol: $5.00$ (g/mL)	p) WIT	Lab File ID:	Q8546.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
Moisture: not dec.		Date Analyzed:	11/01/2005
C Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CAS NO. Compound Name RT Est. Conc. Q

Number TICs found: \_0

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

22/1185

	1						
Lab Name	STL Buffal	0	Contract:		SW-1	.1	
	í		SAS No.:				
	 (soil/water)				ID: <u>A5C06</u>	5202	
Sample wt	/vol:	5.00 (g/	ml) <u>Ml</u>		D: <u>Q8545</u>		
	(low/med)				Recv: 10/25		
% Moistur	e; not dec.	He	ated Purge: N		zed: <u>10/31</u>		, 20, 200
	: <u>DB-624</u>				actor: <u>1</u>		
	act Volume:				ot Volume: _		(Tel)
	CAS NO.	COMPOUND		CONCENTRATION U (ug/L or ug/Kg	NITS:		,,
10 10 10 10 10 10 10 10 10 10 10 10 10 1	75-01-4 75-00-3 75-09-2 75-09-2 75-15-0 75-15-0 75-35-4 75-34-3 76-23-5 75-27-4 78-87-5 79-01-6 24-48-1 24-48-1 24-48-1 24-48-1 24-48-1 24-48-1 24-48-1 24-48-1 27-18-4 27-18-4 0061-02-6 5-25-2 0061-02-6 27-18-4 0061-02-6 27-18-4 0061-02-6 27-18-4 0061-02-6 27-18-4 0061-02-6 27-18-4 0061-02-6	Vinyl ch Chloroeth Methylene Acetone Carbon Di 1,1-Dichl 1,1-Dichl Chlorofor 1,2-Dichl 2-Butanor 1,1-Tri Carbon Te Bromodich 1,2-Dichl cis-1,3-D Trichloro Dibromoch 1,1,2-Tri Benzene trans-1,3 Bromoform -4-Methyl-2 -2-Hexanore Tetrachloro Toluene Toluene 	loride nane e chloride  sulfide .oroethene .oroethane m oroethane te chloroethane trachloride loromethane oropropane ichloropropene ethene loromethane chloroethane chloroethane chloroethane ethene ethene erechloroethane		10 10 10 10 10 10 10 10 10 10 10 10 10 1	מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ	
10  13  75	00-42-5 330-20-7 5-71-8	-Styrene -Total Xyle -Dichlorodi				1 1	

23/1185

Lab Name	SIL Buffalo Contract:		SW-11	
	RECNY Case No.: SAS No.:			
	(soil/water) <u>WATER</u>	Lab Sample ID:		•
Sample wt	/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:		_
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:		<u>/26/2005</u>
% Moistur	e: not dec Heated Purge: N			
GC Column	: <u>DB-624</u>	Dilution Factor:	1.00	
Soil Extr	act Volume: (uL)	Soil Aliquot Volu	me: (	uL)
(	CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	G/L Q	
1 1 9 5 1 9 9 1	76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 10-82-7Cyclohexane 08-87-2Methylcyclohexane 06-93-41,2-Dibromoethane 8-82-8Isopropylbenzene 41-73-11,3-Dichlorobenzene 06-46-71,4-Dichlorobenzene 5-50-11,2-Dichlorobenzene 6-12-81,2-Dibromo-3-chloropropane 20-82-11,2,4-Trichlorobenzene		10 U	

# DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

24/1185

Lab Name:	STL Buffalo	Contract:		SW-11		
				t <u>.</u> .	<del></del>	
Lab Code:	<u>RECNY</u> Case No	.: SAS No.:	_ SDG No.:	_		•
Matrix:	soil/water) WATER	·	Lab Sample ID	<u> A5C062</u>	202	
Sample wt	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File ID:	<u>0</u> 8545	.RR	
Level:	(low/med) <u>LOW</u>		Date Samp/Reco	7: <u>10/25</u> /	<u>/2005</u> <u>1</u>	0/26/2005
% Moistur	re: not dec.	-	Date Analyzed	: 10/31/	2005	
GC Column	: <u>DB-624</u> ID	:_0.25 (mm)	Dilution Facto	or: <u> </u>	.00	
Soil Extr	act Volume:	(uL)	Soil Aliquot V	7olume: _		(uL)
Number TI	Cs found: 0		. CONCENTRATION UN (ug/L or ug/Kg)			
	CAS NO.	Compound Name	RT Est	. Conc.	Q	
L.						]

# 25/1185

	1							
Lab Name	STL Buffal	<u>o</u>	Contract:			SW-12		
	}		SAS No.:	SDG No.:	<del></del>			
Matrix:	(soil/water)	WATER		Lab Sample	e ID: 1	<u> 45C06203</u>	3	
Sample wt	/vol:	5.00 (g/mL) <u>I</u>	<u>4L</u>	Lab File	ID:	28544.RF	2	_
Level:	(low/med)	TOM	•	Date Samp,	/Recv:	L0/25/20	005 10	/26/2005
Moistur	e: not dec.	Heated	Purge: N	Date Analy	yzed: <u>]</u>	LO/31/20	05	
3C Column	: <u>DB-624</u>	ID: <u>0.25</u> (m	n)	Dilution 1	actor: _	1.00	!	
Soil Extr	act Volume:	(uL)		Soil Aliqu	ot Volum	ne:		(uL)
	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/H		<u>:/L</u>	Q	
	74-87-3 74-83-9	Chloromethane Bromomethane			1	.0	U U	
	75-01-4 75-00-3	Vinyl chlorid	e	·	1	0	U U	
	75-09-2 67-64-1	Methylene chl Acetone	oride		1	0 2	บ J	
# i.	/3-33-4	Carbon Disulf 1,1-Dichloroe	thana	i de la companya de	1 1	0 0	ប ប	
18	57-66-3	Chloroform			.L	0 0	U	
		1,2-Dichloroe 2-Butanone	thane		1		U U	
		1,1,1-Trichlo					U U	
1	78-87-5	1 2-Dichloror	retrane		10 10		บ บ	
11	> 07 0	cis-1,3-Dichloroether	<del>16.</del>	,	10 10	)	บ บ	
17	.24-48-1 '9-00-5	Dibromochloror 1,1,2-Trichlor	nethane		1.0 1.0	)	U ·	
1	1-43-2- <b></b> 0061-02-6	Benzene trans-1,3-Dich			10	)	บ บ	
]7:	5-25 <b>-</b> 2 <b>-</b>	Bromoform 4-Methyl-2-per			10	) [	U U	
5:	91-78-6 <b>-</b> -	-2-Hexanone -Tetrachloroeth	<del></del>		10	)	บ	
10	08-88-3	-Toluene -1,1,2,2-Tetrac			10 10	)	U U	·
140	08-90-7	-Chlorobenzene -Ethylbenzene			10 10	·	ប	·
140	00-42-5	-Styrene			10 10		U U	
175	5-71 <b>-</b> 8 <b>-</b>	-Total Xylenes -Dichlorodifluo	romethane		10 10		U U	
175	>-69-4	-Trichlorofluon	omethane		10		ΰ	

# 26/1185

				SW-	10	- Mil
Lab Name	: STL Buffalo	Contract:		DW-		
Iab Code	: <u>RECNY</u> Ca	se No.: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>j</u>	WATER	Lab Sample ID:	<u>A5C0</u>	6203	
Sample w	/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	<u>Q854</u>	4.RR	<del></del>
Level:	(low/med) <u>l</u>	LOW	Date Samp/Recv	: 10/2	<u>5/2005</u> <u>1</u> 0	0/26/2005
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed:	10/3	1/2005	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Facto	r:	1.00	
Soil Exti	act Volume: _	(uL)	Soil Aliquot V	olume:	· · · · · · · · · · · · · · · · · · ·	(uL)
	CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		_ Q	-
	156-60-5 1634-04-4 156-59-2 110-82-7 108-87-2 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	-Methylcyclohexane -1,2-Dibromoethane -Isopropylbenzene -1,3-Dichlorobenzene		10 10 10 10 10 10 10 10 10 10 10	טטטטטטטטטטטטטטט	

#### DEBITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

27/1185

Lab Name:	STL Buffalo	Con	tract:	<u></u>			SW-12		
Lab Code:	RECNY Case No	).:	SAS No.:	SDG	l No.:				
Matrix:	(soil/water) <u>WATER</u>	2		La	ıb Samp	le D:	A5C062	03	
Sample wt	vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		La	b File	e ID:	<u>Q8544.</u>	RR	<del></del>
Level:	(low/med) <u>LOW</u>			Da	te Sam	p/Recv:	10/25/	2005	10/26/2005
% Moistur	e: not dec.	<del>-</del>		Da	te Ana	lyzed:	10/31/	2005	
GC Column	<u>DB-624</u> ID	: 0.25 (mm)		Di	lution	Factor	: 1.	<u>00</u>	
Soil Extr	act Volume:	(սԼ)		So	il Ali	quot Vo	lume:		(uL)
Number TI	s found: <u>1</u>		•			ION UNI' ug/Kg)	TS: UG/L	<del></del> -	
	CAS NO.	Con	pound Name	I	RI	Est.	Conc.	Q	
	1.	UNKNOWN SII	ANOL		4.65		. 6	J	=

### 28/1185

	}							
Iab Name:	STL Buffalo		Contract:			SW-13		÷
				1.40				
Lab Code:	RECNY Ca	se No.:	SAS No.:	SDG No.:	<del></del>			
Matrix: (	soil/water)	<u>WATER</u>		Lab Sampl	e ID:	A5C06204		
Sample wt,	vol:	<u>5.00</u> (g/mL) <u>1</u>	<u>1</u> L	Lab File	ID:	<u>Q8543 .RR</u>	<u>-</u>	
Level:	low/med)	LOW		Date Samp	/Recv:	10/25/20	<u>05</u> <u>10/</u> :	26/200
% Moisture	not dec.	Heated	Purge: <u>N</u>	Date Anal	yzed:	10/31/20	<u>05</u>	
GC Column:	DB-624	ID: <u>0.25</u> (m	n)	Dilution	Factor:	1.00		
Soil Extra	ct Volume: _	(uL)		Soil Aliq	uot Volu	me:		սե)
,	7.0.370			CONCENTRATION				
	AS NO.		·	(ug/L or ug/	Kg) <u>U</u>	<u>3/L</u>	Q	_
7	4-87-3	Chloromethane				10	U	
							ប	İ
7	5-01-4	Vinyl chloric	le				U	
						10	U	
7	5-09-2	Methylene chī	oride		1	10	บ	
					}		U	•
7	5-15-0 <b>-</b>	-Carbon Disulf	ide				U	
17	15-35-4	-1.1-Dichloroe	thene				Ū	
1 /	P-24-2	T'T_DTCITTOTOS	thane				Ū	
( ( )	() -()()			:			บั	
1	07-06-2	-1,2-Dichloroe	thane				Ŭ	
17	8-93-3	-2-Butanone					ប	
		-1,1,1-Trichlo	methane	<del></del>			Ū	
15	6-23-5	-Carbon Tetraci	hloride			1	บ	
17	5-27 <b>-</b> 4	-Bromodichloro	methane			E	Ū	
7	8-87 <b>-</b> 5	-1,2-Dichlorop	mnane			1	U	
11	0061-01-5	-cis-1.3-Dichle	oropropene	· · · · · · · · · · · · · · · · · · ·			Ü	
17	9-01-6	-Trichloroether	ne				U	
11	24-48-1	-Dibromochloro	rethane				บ	
7	9-00-5	-1,1,2-Trichlo	methane					
[7]	1-43-2	-Renzene		•			U	
		-trans-1,3-Dicl	Jonnane			Į.	U	
7	5-25-2	-Bromoform	Trotobroberte				U	
		-4-Methyl-2-per				1	U	
5	91-78-6	- J-Moranono - <del>I -Me</del> crivit-2-ber	raiore	wru		i i	U	
		-z-nexarone -Tetrachloroeth				3	U	
[ ]	08-88-3		ere				U	
		-101uene -1,1,2,2-Tetrac	shi oson skil			-	U	
14	, <u></u> 18_90_7	-1,1,2,2-Tetrac -Chlorobenzene	THOTOSELUANE				U	
	/O -20- / /Ω //1 . //	-Cillorobenzene -Ethylbenzene				1	U	
	)O 40 E )O~41~4	-ELNYLDENZENE_			1	E .	U	
	0-42-5				1		U	
178	:5U-ZU-/	Total Xylenes			1		U	
1/1	-/I-8	Dichlorodifluc	romethane		1		U	
177		Trichlorofluor	omethane		1.	o [1	ប	

29/1185...

Tala Mama	CIT D. FF-1	Court			[5	W-13	1772
Lab Nane	: <u>STL Buffalo</u>	Contra	ct:		l		
Lab Code	: <u>RECNY</u> Case 1	Vo.: SAS	No.:	SDG No.:			
Matrix:	(soil/water) <u>WAT</u>	<u>₹</u>		Lab Sample	ID: <u>A5</u>	C06204	
Sample w	/vol: <u>5</u>	<u>.00</u> (g/mL) <u>ML</u>		Lab File I	D: <u>Q</u> 8	543.RR	
Level:	(low/med) <u>LOW</u>			Date Samp/	Recv: <u>10</u>	/25/2005	10/26/2005
% Moistu	re: not dec.	Heated Purge	: <u>N</u>	Date Analy	zed: <u>10</u>	/31/2005	
GC Colum	n: <u>DB-624</u> II	D: <u>0.25</u> (mm)		Dilution F	actor: _	1.00	
Soil Ext	ract Volume:	(uL)		Soil Aliqu	ot Volume	:	(uL)
•	CAS NO. C	OMPOUND		ONCENIRATION (ug/L or ug/K		<u>L</u>	Q
	156-60-5	ethylcyclohexane 2-Dibromoethane	ethene er (MIBE) nene e		10 10 10 10 10 10 10 10 10 10	ט ט ט ט ט ט ט	
	70 20 0 M-	7'-11TOHOTODEH			10		

# DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

30/1185

Lab Name	: STL Buffalo	Contract:				SW-13		
			•	SDG No.:				
Matrix:	(soil/water) <u>WATER</u>	<u>.</u>		Lab Samp	le ID:	<u>A5C062</u>	04	•
Sample wt	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	D:	Q8543.	RR	· .
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:	10/25/	2005	10/26/2005
% Moistur	e: not dec	_		Date Ana	lyzed:	10/31/	2005	
GC Column	<u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution	Factor:	1.	<u>00</u>	
Soil Extr	act Volume:	(uL)		Soil Alic	quot Vol	ume:		_ (uL)
Number TI	Cs found: <u>1</u>	·	,	CONCENTRAT (ug/L or t			<del></del>	
	CAS NO.	Compound Nar	me	RT	Est.	Conc.	Q	
	1.	UNKNOWN SILANOL		4.66		6	J	7

# 31/1185

Lab Name	: STL Buffalo	Contract:		SW-14	
Lab Code	RECNY C	ase No.: SAS No.:	SDG No.:		
	(soil/water)	,	Lab Sample ID:	A5C06205	
Sample w	/vol:		Lab File ID:	Q8542.RR	
Level:	(low/med)	LOW	Date Samp/Recv:	10/25/2005 10	<u>/26/2005</u>
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed:	10/31/2005	
GC Column	1: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extr	ract Volume:	(uL)	Soil Aliquot Volu	me:	(นัน)
	CAS NO.	COMPOUND	CONCENTRATION UNITS:	IG/L Q	
	74-87-3	Chloromethane		10 ប	
1	74-83-9	Bromomethane		10 U	}
	75-01-4	Vinyl chloride		10 JU	
				10 U	
ĺ	75-09-2	Methylene chloride		10 U	·
l)	01-04-1	ACETONE		10 U	f
	75-15-0	Carbon Disulfide		10 U	-
ļ	75-35 <b>-</b> 4	1,1-Dichloroethene		10 U	1
. 11	13-34-3	I, I-DICHLOYOETHANE		10 ປັ	
. 18	0/-00-3	~-CILOTOTOTIII :		10 U	
	107-06-2	1,2-Dichloroethane		10 U	
1	78-93-3	2-Butanone		10 ע	
-	71-55-6	1,1,1-Trichloroethane		10 U	
J fr	EC 00 E	Clarely and Clarel		10 U	
<u>I</u> r	75-27-4	Bromodichloromethane		10 ປັ	
				10 U	1
	10061-01 <b>-</b> 5	cis-1,3-Dichloropropene		10 U	
<u>                                   </u>	79-01 <b>-</b> 6	Trichloroethene		10 U	
		Dibromochloromethane		10 U	
] }	79-00-5	1,1,2-Trichlorcethane	· · · · · · · · · · · · · · · · · · ·	10 U	
Į į.	71-43-2	Benzene		10 U	1
	L0061-02-6	-trans-1,3-Dichloropropene		10 U	
117	75-25-2	Bromoform		10 U	
h	L08-10-1	4-Methyl-2-pentanone		10 U	
į į	591-78 <b>-</b> 6	2-Hexanone		10 U	
		Tetrachloroethene		10 U	
	.08-88-3			10 U	
		-1,1,2,2-Tetrachloroethane		10 0	
1	.08-90-7	-Chlorobenzene		10 0	,
1	.00-41-4	-Ethylbenzene		10 U	
1	.00-42-5	-Styrene		10 U	
1	330-20-7	-Total Xylenes		ro n	1
. 17	5-71-8	-Dichlorodifluoromethane	<del></del>	10 U	
17	5-69-4	-Trichlorofluoromethane		LO U	
1.1					1

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			-	
Lab Name	: STL Buffalo Contract:		SW-14	
Lab Code	: RECNY Case No.: SAS No.:	SDG No.:		
	(soil/water) WATER	Lab Sample ID:	A5C06205	
Sample wt		Lab File ID:	Q8542.RR	<b>_</b>
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10	/26/2005
% Moistur	re: not dec Heated Purge: N	Date Analyzed:	10/31/2005	
GC Column	1: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extr	act Volume: (uL)	Soil Aliquot Volu	me:	(uL)
(	CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>G/L</u> Q	
1 1 9 9 1	76-13-11,1,2-Trichloro-1,2,2-trifluo 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 10-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 106-93-4Isopropylbenzene 106-43-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 106-12-81,2-Dibromo-3-chloropropane 106-12-81,2,4-Trichlorobenzene 100-82-1		10 U U U U U U U U U U U U U U U U U U U	

	DELIA - AQ - ASP 2000/8260 - TCL VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS		LES	33/1		18 <u>5                                    </u>		
				or a out to			C.	lient No.
Lab Name':	STL Buffalo	Contract:				SW-14		
Lab Code:	RECNY Case No	.: SAS No.:		SDG No.:				
Matrix: (	spil/water) <u>WATER</u>			Lab Samp	le ID:	A5C062	05	
Sample wt	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	D:	<u>08542.</u>	RR	
Level:	(Low/med) <u>LOW</u>			Date Sam	p/Recv:	10/25/	2005 1	10/26/2005
% Moisture	e: not dec.	_		Date Ana	lyzed:	10/31/	2005	
GC Column	: <u>DB-624</u> ID	:_0.25 (mm)		Dilution	Factor:	1.0	<u>00</u>	
Soil Extra	act Volume:	(uL)		Soil Alid	quot Vol	ume:	·	(uL)
Number TI(	Cs found: 0		(	CONCENTRAT (ug/L or 1			<del>-</del>	
	CAS NO.	Compound Name	·	RT	Est.	Conc.	Q	
⊨								

DELTA - AQ - ASP 2000/8260 - TCL VOLATILES

<b>7</b>	A	11	- 1	85	***
•	4.	/ E		ж	•
_			£		J

Lab Na	me: <u>STL Buf</u>	<u>falo</u> Contract		SW-1	L5	
				<del></del>		
	İ	Case No.: SAS No	one SDG No.:	·		
	: (spil/wate		Lab Sampl	le ID: <u>A5C06</u>	206	
Sample	wt/vol:	_ <u>5.00</u> (g/mL) <u>ML</u>	Lab File	ID: <u>08548</u>	.RR	
Level:	(low/med)	LOW	Date Samp	/Recv: <u>10/25</u>	/2005 10/	26/2005
Moist	ture: not de	ec Heated Purge: N	Date Anal	yzed: <u>11/01</u>	/2005	
Colu	mn: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution	Factor: 1	<u>.00</u>	
oil Ex	tract Volum	ne: (uL)	Soil Aliq	uot Volume: _	(	սե)
	CAS NO.	. COMPOUND	CONCENTRATION (ug/L or ug/i	UNITS: Kg) <u>UG/L</u>	Q	
	74-87-3 74-83-9	Chloromethane		10 10	ប	
	75-01-4 75-00-3	Vinyl chloride		10	ט	
	75-09-2	Methylene chloride		10	ប	
	75-15-0	Carbon Digulfido		10 10	ប	
	75-35-4	1,1-Dichloroethene		10	บ	
	1 - 7			10	Ū	
	67-66-3	Chloroform		10	U	'
	10/-06-2-	1,2-Dichloroethane		10	ט	
	1.4 55 5	Z Data Dile	· · · · · · · · · · · · · · · · · · ·	10	ប	
	1/1-55-6	1,1,1-Trichloroethane	,	10	ט	
	150-23-5	Carbon Tetrachloride		10	U	
	1,44 54, 7			10	U	
	110061 01 5		· · · · · · · · · · · · · · · · · · ·	10	U	
	70 01 01-5	cis-1,3-Dichloropropen	e	10	· U	
	1/4 07 0	traditionediene		10	U	
	79.00 5	Dibromochloromethane		10	U.	
	71-42.2	1,1,2-Trichloroethane_		10	U	
	10061 00 6	berizene		10	U	
	17007-07-0	trans-1,3-Dichloroprope Brompform	ene	10	บ	•
	100 10 1	Brompform 4-Methyl-2-pentanone		10	ប	
	100-10-1	4-Methy1-2-pentanone		10	U	
	102 10 4	2-Hexanone		10	. ប	
	147-18-4	Tetrachloroethene		10	U	
	100-00-3	Toluene		10	U	
:	100 00 7	1,1,2,2-Tetrachloroetha	ne	10	U	٠
ĺ	TO8-90-7	Chlorobenzene		10	U	
i	100-41-4	Ethylbenzene		10	U	
	100-42-5	Styrene		10	Ū	
	1330-20-7	Total Xylenes		10	Ū	
	/5-/1-8	Dichlorodifluoromethane		10	lŭ l	
[	75-69-4	Trichlorofluoromethane		10	บ	

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		SW-15		
Lab Name: \$TL Buffalo Contract:	<del></del>	·		
Lab Code:   RECNY   Case No.:    SAS No.:	SDG No.:	3969°		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5C06206	<u>:</u>	
Sample wt/vol: _ 5.00 (g/mL) ML	Lab File ID:	Q8548.RR	<u>.                                    </u>	
Level: (low/med) LOW	Date Samp/Recv:	10/25/20	05 10/2	6/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/01/20	05	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor	:1.00	!	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(u	L)
	ONCENIRATION UNITS	•		
· · · · · · · · · · · · · · · · · · ·	(ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifluon	oethane	10	ט	
		10	U	
1634-04-4Methyl-t-Butyl Fither (MIBE)	-	10	U	
1156-59-2cis-1.2-Dichloroethene	!	10	ן ט	
TID-0Z-/CACTOREXORE		10	ן ט	
1108-87-2Methylcyclohexane	-	10	ט	
1106-93-41,2-Dibromoethane	į.	10	ט	
198-82-8ISODIYOOVI benzene		10	ע	
1541-73-11,3-Dichlorobenzene		10	ע	
		10	U	
95 -50-11,2-Dichlorobenzene		10	U	
170 12 0 T/2 DIDICID I CHOLOPICALIC		10	ן ע	
120-82-11,2,4-Trichlorobenzene	<del> </del>	10	U	
79-20-9Methvl acetate		10	ו עו	

·		DELITA - AQ - ASP 2000/82 TENTATIVELY IDENTIF	60 - TCL VOLATILE	3S 	36/118	35
					C.	lient No.
Lab Name	STL Buffalo	Contract:	·	SW-15		
Lab Code	RECNY Case N	o.: SAS No.:	_ SDG No.:			
Matrix:	(soil/water) WATER	3	Lab Sample	ID: <u>A5C062</u>	206	
Sample w	t/vol:5.0	<u>00</u> (g/mL) <u>ML</u>	Lab File I	D: <u>08548</u>	.RR	
Level:	(low/med) <u>LOW</u>		* .	Recv: <u>10/25</u> /		_
% Moistu	re: not dec.	<del>_</del>		zed: <u>11/01/</u>		
GC Colum	: <u>DB-624</u> II	0: <u>0.25</u> (mm)		actor:1.		
Soil Extr	act Volume:	(uL)		ot Volume:	<del></del>	(പ്.)
Number TI	Cs found: 1		CONCENTRATION (ug/L or ug/	IUNITS: Kg) <u>UG/L</u>	_	· .
	CAS NO.	Compound Name	RT	Est. Conc.	Q	]
	1.	UNKNOWN SILANOL	4.66	5	J	

37/1185

	Clien	t No.
Name: SIL Buffalo Contract:	SW-16	
Code: RECNY Case No.: SAS No.:	SDG No.:	
MATER	Lab Sample ID: A5C06207	
Sole wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>08540.RR</u>	
Id: (low/med) <u>low</u>	Date Samp/Recv: 10/25/2005 10/26/2	005
% isture: not dec Heated Purge: N	Date Analyzed: 10/31/2005	<u>005</u>
GColumn: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
SOI Extract Volume: (uL)	Soil Aliquot Volume:(uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS:	
74-87-3Chloromethane	Carried Market O	
	10 U	
75-01-4Vinyl chloride	10 U	
75-00-3Chloroethane	U U	
75-09-2Methylene chloride	58	•
75-15-0Carbon Disulfide	3000 E 3	
75-34-31,1-Dichloroethene 67-66-3Chloroform		
67-66-3Chloroform	10 U	
107-06-21 2 District	5 J	
107-06-21,2-Dichloroethane 78-93-32-Butanone	10 U	
171-55-61 1 1 m-1-13	[	
	10 U	
	10 U	
	10 U	
79-01-6Trichloroethene		•
	10 U	
71-43-2Benzene	10 U	
40061-02-6trang 1 3 p' 13		•
75-25-2Brompform	10 U	
1.408-10-1A-Moth-3	10 U	
	10 U	
142/-18-4Tetrachle-	10 U	
1400 DD-34	1 J	
19-34-51 1 2 2 7 7 1	290 E J	
108-90-7Chlorobenzene	10 U	
140V-41-4	10 U	
1400-42-5	10 U	
1-4530-20-7Tot-37 x5-3	10 U	
* 'P' (1 0 1) t ob	10 U	
75-69-4Trichlorofluoromethane	10 U	
	10 U	

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			<del></del>	
Lab Name	: SIL Buffalo Contract:		SW-16	
	: RECNY Case No.: SAS No.:	•		
	(soil/water) <u>WATER</u>	Lab Sample ID:	A5C06207	
Sample w	/vol:5.00 (g/mL) ML	Lab File ID:		
Level:	(low/med) <u>Low</u>		10/25/2005 10/26/2005	5
% Moistu	re: not dec Heated Purge: N	Date Analyzed:		-
GC Colum	n: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:		
Soil Extr	ract Volume: (uL)	Soil Aliquot Volu	me: (uL)	
	CAS NO. COMPOUND CON	ICENTRATION UNITS: 1g/L or ug/Kg) <u>U</u>	<u>3/L</u> Q	
11 0 0 1	76-13-11,1,2-Trichloro-1,2,2-trifluoroe 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 96-12-81,2-Dibromo-3-chloropropane 20-82-11,2,4-Trichlorobenzene		0 U	

# DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

39/1185

Lab Name	STL Buffalo	Contract:	·	SW-16		
Lab Code	<u>RECNY</u> Case No	o.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER		Lab Sample ID:	<u>A5C062</u>	207	
Sample wt	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File ID:	<u>Q8540.</u>	RR	,
Level:	(low/med) <u>low</u>		Date Samp/Recv	: 10/25/	<u> 2005</u>	10/26/2005
% Moistur	e: not dec		Date Analyzed:	<u>10/31/</u>	2005	
GC Column	: <u>DB-624</u> ID	: 0.25 (mm)	Dilution Facto	r: <u>1.</u>	<u>00</u>	
Soil Extr	act Volume:	(uL)	Soil Aliquot V	olume: _		(uL)
Number TI	Cs found: 0		CONCENTRATION UN (ug/L or ug/Kg)		<del></del>	٠.
	CAS NO.	Compound Name	RT Est.	. Conc.	Q	].
[				<del></del>	<del></del>	╡

# 40/1185

Lab Name: <u>STL Buffal</u>	Ontract:		SW-16
	Tase No.: SAS No.:		
Matrix: (soil/water)		Lab Sample ID:	
Sample wt/vol:	_5.00 (g/mL) <u>ML</u>	Lab File ID:	
Level: (low/med)	LOW		10/25/2005 10/26/2005
% Moisture: not dec.	Heated Purge: N		
3C Column: <u>DB-624</u>		Dilution Factor:	
Soil Extract Volume:	(uL)	·	ume: (uL)
CAS NO.	COMPOUND	CONCENIRATION UNITS:	
75-01-4 75-00-3 75-09-2 67-64-1 75-15-0 75-34-3 75-34-3 107-06-2 78-93-3 75-27-4 78-87-5 10061-01-5 79-01-6 124-48-1 79-00-5 10061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7 100-42-5 1330-20-7	AcetoneCarbon Disulfide1,1-Dichloroethene1,1-DichloroethaneChloroform1,2-Dichloroethane2-Butanone1,1,1-TrichloroethaneCarbon TetrachlorideBromodichloromethane1,2-Dichloropropanecis-1,3-DichloropropeneTrichloroetheneDibromochloromethane1,1,2-Trichloroethane1,1,2-TrichloroethaneBenzenetrans-1,3-DichloropropeneBromoform4-Methyl-2-pentanone2-HexanoneTetrachloroetheneToluene1,1,2,2-TetrachloroethaneChlorobenzeneEthylbenzene	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

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Lab Name:	STL Buffalo Contract:		SW-16
Lab Code:	RECNY Case No.: SAS No.:	SDG No.:	
	  soil/water) <u>WATER</u>	Lab Sample ID:	A5C06207DL
Sample wt	/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e: not dec Heated Purge: N	Date Analyzed:	11/01/2005
GC Column	: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	25.00
Soil Extr	act Volume: (uL)	Soil Aliquot Volu	me: (uL)
	CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>U</u>	G/LQ
	76-13-11,1,2-Trichloro-1,2,2-triflu 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 10-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 18-82-8Isopropylbenzene 1941-73-11,3-Dichlorobenzene 195-50-11,2-Dichlorobenzene 196-12-81,2-Dibromo-3-chloropropane 196-20-9Methyl acetate	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	50 U

# DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

42/1185

Client No. SW-16

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix: (soil/water) WATER

Lab Name: STL Buffalo Contract:

Sample wt/vol: \_\_<u>5.00</u> (g/mL) ML

Level: (low/med) <u>Low</u>

% Moisture: not dec. \_\_\_\_

Number TICs found: \_0

GC Column: DB-624 ID: 0.25 (nm)

Soil Extract Volume: \_\_\_\_ (uL)

Lab Sample ID: A5C06207DL

Lab File ID: <u>08547.RR</u>

Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

Date Analyzed: <u>11/01/2005</u>

Dilution Factor: \_\_\_25.00

Soil Aliquot Volume: \_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Eat Comm	
		101	Est. Conc.	Ñ
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43/1185

Client No.

		SW-17
STL Buffalo	Contract:	

Lab	Code: RECNY	Case No.:	SAS No.:	SDG No.:	

Matrix: (soil/water) WATER Lab Sample ID: A5C06208

Sample wt/vol: \_\_<u>5.00</u> (g/mL) <u>ML</u> Lab File ID: Q8539.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. \_\_\_\_ Heated Purge: N Date Analyzed: 10/31/2005

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: \_\_\_\_1.00

Soil Extract Volume: \_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND UG/L (ug/L or ug/Kg) 0 74-87-3-----Chloromethane 10 U 74-83-9-----Bromomethane 10 U 75-01-4-----Vinyl chloride 10 U 75-00-3-----Chloroethane 10 U 75-09-2-----Methylene chloride 68 67-64-1-----Acetone J 7 75-15-0-----Carbon Disulfide U 10 75-35-4----1,1-Dichloroethene U 10 75-34-3-----1,1-Dichloroethane U 10 67-66-3-----Chloroform 10 U 107-06-2----1,2-Dichloroethane U 10 78-93-3----2-Butanone U 10 71-55-6----1,1,1-Trichloroethane U 10 56-23-5-----Carbon Tetrachloride U 10 75-27-4-----Bromodichloromethane U 10 78-87-5-----1,2-Dichloropropane U 10 10061-01-5---cis-1,3-Dichloropropene U 10 79-01-6----Trichloroethene U 10 124-48-1-----Dibromochloromethane U 10 79-00-5-----1,1,2-Trichloroethane U 10 71-43-2----Benzene 10 U 10061-02-6---trans-1,3-Dichloropropene 10 U 75-25-2-----Bromoform 10 U 108-10-1----4-Methyl-2-pentanone U 10 591-78-6----2-Hexanone 10 U 127-18-4----Tetrachloroethene U 10 108-88-3----Toluene U 10 79-34-5----1,1,2,2-Tetrachloroethane U 10 108-90-7-----Chlorobenzene 10 U 100-41-4----Ethylbenzene U 10 100-42-5----Styrene 10 IJ 1330-20-7----Total Xylenes U 10 75-71-8-----Dichlorodifluoromethane U 10 75-69-4----Trichlorofluoromethane 10

44/1185

	TALLI CICIENTA	COLUMN	Client No
			crienc No
Lab Name	STL Buffalo Contract:	·	SW-17
Lab Code	REXINY Case No.: SAS No.:	SDG No.:	
Matrix:	soil/water) <u>WATER</u>	Lab Sample ID:	A5C06208
Sample w	/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	Q8539.RR
Level:	(low/med) <u>IOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistu	e: not dec Heated Purge: N	Date Analyzed:	10/31/2005
GC Column	: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extr	act Volume: (uL)	Soil Aliquot Volu	me: (uL)
	CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) [	<u>rg/L</u> Q
	76-13-11,1,2-Trichloro-1,2,2-trifluo 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 U U 10 U 10 U 10 U 10 U 10 U 10 U 10

		TCL VOLATI		45/1185			
		TENIATIVELY IDENTIFIED				Cl	ient No.
Lab Name	: STL Buffalo	Contract:	-		SW-17		
Lab Code	RECNY Case No	.: SAS No.;	SDG No.:				
Matrix:	(soil/water) <u>WATER</u>		Lab Samp	le ID:	A5C062	08	
Sample w	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID:	<u>Q8539.1</u>	RR.	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	10/25/	2005 <u>1</u>	0/26/2005
% Moistu	e: not dec.	_	Date Ana	lyzed:	10/31/	2005	
GC Column	: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.0	<u>00</u>	•
Soil Exti	act Volume:	(uL)	Soil Alie	quot Vol	ume:		(uL)
Number T	Cs found:1		CONCENTRATION (ug/L or 1			_	•
	CAS NO.	Compound Name	RT	Est.	Conc.	Q	V-Pro
İ	1	INKNYWI CII MYOI	1 56			<b>-</b>	

ANALYSIS DATA SHEET

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						Client No.
Lab Name: STL Buffa	<u>10</u>	Contract:		SW-18	3	
Lab Code: <u>RECNY</u>						
Matrix: (soil/water	) <u>WATER</u>		Lab Sample	ID: <u>A5C062</u>	209	•
Sample wt/vol:	<u>5.00</u> (g/mI	) <u>ML</u>	Lab File I	D: <u>Q8538</u> .	.RR	
Level: (low/med)	LOW		Date Samp/	Recv: <u>10/25</u> /	<u>/2005</u> <u>1</u>	0/26/2005
% Moisture: not dec	Heat	ed Purge: N	Date Analy:	zed: <u>10/31/</u>	<b>/</b> 2005	
GC Column: <u>DB-624</u>	ID: _0.25	(mn)	Dilution Fa	actor: 1.	00	
Soil Extract Volume	: (uL)		Soil Alique	ot Volume:		(uL)
CAS NO.	COMPOUND		CONCENTRATION ( (ug/L or ug/Kg		Q	
75-01-4 75-00-3 75-09-2 67-64-1 75-15-0 75-34-3 75-34-3 75-34-3 75-66-3 107-06-2 78-93-3 71-55-6 56-23-5 75-27-4 78-87-5 10061-01-5- 79-01-6 124-48-1 79-00-5 71-43-2 1061-02-6- 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7 100-41-4 100-42-5 1330-20-7 75-71-8		ride ne chloride  ilfide roethene roethane loroethane achloride promethane copropane chloropropene hene loroethane ichloropropene pentanone ethene rachloroethane ne es luoromethane		10 10 10 59 7 10 10 10 10 10 10 10 10 10 10 10 10 10	ממממממממממממממממממממע מטטמ	

47/1185

Client	No.
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				All 1991
Lab Name:	SIL Buffalo	Contract:		SW-18
		Vo.: SAS No.:		_
Matrix: (	soil/water) <u>WATT</u>	<u>ar</u>	Lab Sample ID:	A5C06209
Sample wt	/vol:	.00 (g/mL) <u>ML</u>	Lab File ID:	Q8538.RR
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e: not dec	Heated Purge: N	Date Analyzed:	10/31/2005
GC Column	: <u>DB-624</u> II	0: <u>0.25</u> (mm)	Dilution Factor	:1.00
Soil Extr	act Volume:	(uL)	Soil Aliquot Vo	lume: (uL)
· .	Cas No. Co	MPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)	The state of the s
	156-60-5tr 1634-04-4Me 156-59-2ci 110-82-7Cy 108-87-2Me 106-93-41, 28-82-81s 541-73-11, 26-46-71, 26-12-81,	thylcyclohexane 2-Dibromoethane propylbenzene 3-Dichlorobenzene 4-Dichlorobenzene 2-Dichlorobenzene 2-Dibromo-3-chloropropane 2,4-Trichlorobenzene		10 U U 10 U 10 U 10 U 10 U 10 U 10 U 10

#### DELIA - AQ - ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

# 48/1185

Tah Nama	ST. Buffalo	Contract:		18	SW-18		
Ten Mark	<u> BIII BULLATO</u>	Concract:	<del>_</del>	_			<del></del>
Lab Code	RECNY Case No	.: SAS No.:	SDG No.:	<del> </del>			
Matrix:	(soil/water) WATER		Lab Samp	le ID:	A5C06209	<del></del>	
Sample w	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID:	Q8538.RR		_
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	10/25/200	<u> 10</u>	/26/2005
% Moistu	re: not dec.	<b>-</b>	Date Ana	lyzed:	10/31/200	<u>05</u>	
GC Colum	n: <u>DB-624</u> ID	:_0.25 (mm)	Dilution	Factor:	1.00		
Soil Ext	ract Volume:	(uL)	Soil Alio	quot Volu	me:		(uL)
Number T	ICs found: 0	· .	CONCENTRATION (ug/L or 1		•		
!	CAS NO.	Compound Name	RT	Est. C	onc.	Q	
							_

49/1185----

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SW-19	
SDG No.:	
Lab Sample ID: A5C06210	
Lab File ID: <u>Q8535.RR</u>	
Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2</u>	<u> 2005</u>
Date Analyzed: <u>10/31/2005</u>	
Dilution Factor: 1.00	
Soil Aliquot Volume: (uL)	
CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U	
	SDG No.:

10061-01-5---cis-1,3-Dichloropropene

24-48-1----Dibromochloromethane

108-10-1----4-Methyl-2-pentanone

127-18-4----Tetrachloroethene

79-00-5-----1,1,2-Trichloroethane

10061-02-6---trans-1,3-Dichloropropene

79-34-5-----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

5-69-4----Trichlorofluoromethane

79-01-6----Trichloroethene

71-43-2----Benzene

75-25-2----Bromoform

\$91-78-6----2-Hexanone

108-90-7----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

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			<u> </u>
Lab Name	STL Buffalo Contract:		SW-19
Lab Code:	RECNY Case No.: SAS No.:	SDG No.:	
	soil/water) <u>WATER</u>	Lab Sample ID:	A5C06210
Sample wt	/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	08535.RR
Level:	(low/med) <u>LOW</u>	Date Samp/Recv: 1	10/25/2005 10/26/2005
% Moistur	e: not dec Heated Purge; N	Date Analyzed: 1	10/31/2005
GC Column	: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: _	1.00
Soil Extr	act Volume: (uL)	Soil Aliquot Volum	ne: (uL)
		CENTRATION UNITS: g/L or ug/kg) <u>ug</u>	<u>/</u> L
	76-13-11,1,2-Trichloro-1,2,2-trifluoroet 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 108-87-2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 U U U U U U U U U U U U U U U U U U U

#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

51/1185

Lab Name	STL Buffalo	Contract:	•	SW-19	)	
		o.: SAS No.:				
Matrix:	(soil/water) <u>WATER</u>	<u>.</u>	Lab Sampl	le ID: <u>A5C0</u>	6210	
Sample w	/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>Q853</u>	5.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/2</u>	5/2005	10/26/2005
% Moistu	e: not dec	- -	Date Anal	lyzed: <u>10/3</u>	1/2005	
GC Column	: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Exti	act Volume:	(uL)	Soil Aliq	quot Volume:		_ (uL)
Number Ti	Cs found: _1	•	CONCENTRATI (ug/L or u	CON UNITS: ug/Kg) <u>UG/</u>	<u>.</u> .	•
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
	1.	UNKNOWN SILANOL	4.66		5 J	

### 52/1185

Lab Name: STL Buffalo Contract:		SW-19A	
Lab Code: RECNY Case No.: SAS No.:			
Matrix: (soil/water) WATER	Lab Sample ID:		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:		
Level: (low/med) <u>LOW</u>	Date Samp/Recv:		
% Moisture: not dec Heated Purge: N			
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor		
Soil Extract Volume: (uL)	Soil Aliquot Vo		/sst )
	CONCENTRATION UNITS		(015)
CAS NO. COMPOUND	(ug/L or ug/Kg)	· <u>UG/L</u>	Q
71-55-61,1,1-Trichloroethane 56-23-5Carbon Tetrachloride 75-27-4Bromodichloromethane 78-87-51,2-Dichloropropane 10061-01-5		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane		10 U 10 U 10 U	
	1		i e

# 53/1185

Lab Name: SIL Buffalo Contract:	SW-19A
Lab Code: RECNY Case No.: SAS No.:	SDG No.;
Matrix: (soil/water) WATER	Lab Sample ID: A5C06211
Sample wt/vol: $5.00 \text{ (g/mL)} \underline{\text{ML}}$	Lab File ID: <u>08534.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>10/31/2005</u>
GC Column <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-tri 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIB 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropar 120-82-11,2,4-Trichlorobenzene	The second content of the second content o

#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

54/1185

			·	SW-19A		
Lab Name:	STL Buffalo	Contract:			·····	
Lab Code:	RECNY Case No	.: SAS No.:	SDG No.:	<del>_</del>		
Matrix: (	soil/water) <u>WATER</u>		Lab Sample II	D: <u>A5C062</u>	11	
Sample wt	vol: <u>5.00</u>	<u>)</u> (g/mL) <u>ML</u>	Lab File ID:	08534.	RR	<del></del>
Level:	low/med) <u>LOW</u>		Date Samp/Red	ev: <u>10/25/</u>	<u> 2005</u> <u>10</u>	0/26/2005
% Moisture	: not dec	-	Date Analyze	d: <u>10/31/</u>	2005	
GC Column	<u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Fact	tor: <u>1.</u>	<u>00</u>	
Soil Extra	act Volume:	(uL)	Soil Aliquot	Volume:	<del></del>	(uL)
Number TI	s found: <u>1</u>		CONCENTRATION (ug/L or ug/K			
ſ	CAS NO.	Compound Name	RT Es	st. Conc.	Q	
F						

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILANOL	4.66	7	J

# 55/1185

		•		TRIP BLANK
Lab Name:	SIL Buffalo	Contract:		
Lab Code:	RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (	soil/water) <u>WATER</u>		Lab Sample ID:	<u>A5C06212</u>
Sample wt	/vol: <u>5.00</u> (g/mL)	<u>ML</u>	Lab File ID:	08533.RR
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e: not dec Heated	l Purge: N	Date Analyzed:	10/31/2005
GC Column	: <u>DB-624</u> ID: <u>0.25</u> (m	m)	Dilution Factor:	1.00
Soil Extr	act Volume: (uL)		Soil Aliquot Volu	ume: (u <u>L</u> )

CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		. Q
P =	Chloromethane		10	ប
	Bromomethane		10 10	ן ט
	Vinyl chloride		10	נו
	Chloroethane		10	บ็
	Methylene chloride		10	ן ט
67-64-1			10	ן ט
f	Carbon Disulfide			TI I
	1,1-Dichloroethene	***************************************	10	ם ט
	1,1-Dichloroethane		10	1 I
	Chloroform_		10	U
	1,2-Dichloroethane		10	U
	2-Butanone		10	U
	1,1,1-Trichloroethane		10	U
	Carbon Tetrachloride		10	U
	Bromodichloromethane		10	U
	1,2-Dichloropropane		10	ש
	cis-1,3-Dichloropropene_		10	U
1 1 '	Trichloroethene		10	U
	Dibromochloromethane		10	U
	1,1,2-Trichloroethane		10	U
71-43-2			10	U
	trans-1,3-Dichloropropene		10	U
1	Bromoform	•	10	U
108-10-1	4-Methyl-2-pentanone		10	U
\$91-78-6	2-Hexanone		10	U U
127-18-4	Tetrachloroethene		10	U .
108-88-3	Toluene	·	10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	ן [ [
	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5			10	ן ט
	Total Xylenes		10	U
	Dichloredifluoromethane		10	[U ]
1 1 1	Trichlorofluoromethane		10	U

# DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

56/1185

Tah Name	STL Buffalo Contract:		TRIP BLANK
LICEL LYCELLE	Contract:	<del></del>	
Lab Code:	RECNY Case No.: SAS No.:	_ SDG No.:	
Matrix: (	soil/water) <u>WATER</u>	Lab Sample ID:	A5C06212
Sample wt	/vol:5.00 (g/mL) ML	Lab File ID:	Q8533 .RR
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e: not dec Heated Purge: N	Date Analyzed:	10/31/2005
GC Column	: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extr	act Volume: (uL)	Soil Aliquot Vol	ume: (uL)
	CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	ng/r o
	76-13-11,1,2-Trichloro-1,2,2-trifluo 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 U 10 U 10 U 10 U 10 U 10 U 10 U 10 U

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 57/1185

Lab Name:	STL Buffalo	Contract:				TRIP BL	ANK 	
Lab Code:	RECNY Case No	.: SAS No.:	SD	G No.:				
Matrix: (	soil/water) <u>WATER</u>		L	ab Samp	ole ID:	A5C062	12_	
Sample wt	/vol:	<u>0</u> (g/mL) <u>ML</u>	L	ab File	D:	<u>08533.</u> I	RR_	<del></del>
Level:	(low/med) <u>LOW</u>		. D	ate Sam	p/Recv:	10/25/2	2005	: 10/26/200 <u>5</u>
% Moisture	e: not dec.	-	D	ate Ana	lyzed:	10/31/2	2005	
GC Column	<u>DB-624</u> ID	:_0.25 (mm)	D	ilution	Factor:	1.0	00	
Soil Extr	act Volume:	(uL)	Sc	oil Ali	quot Vol	ume:		_ (uL)
Number TIC	's found: <u>0</u>			_	ION UNIT ug/Kg)			
	CAS NO.	Compound Name	· ·	RT	Est.	Conc.	Q	
L								=

Client No.

/ - 1- 3T C	,				SW-10
Lab Name: 5	ir Burrard	<u>c</u>	ntract:	<del></del>	
Lab Code: <u>F</u>	ECNY C	ase No.:	SAS No.:	SDG No.:	
Matrix: (so	il/water)	WATER		Lab Sample ID:	A5C06201
Sample wt/v	ol:	920.00 (g/mL) MI	į	Lab File ID:	V12263.RR
Level: (1	ow/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/N)	$\overline{\mathbf{N}}$	Date Extracted:	10/27/2005
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection V	olume:	2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup	: (Y/N) 1	N pH: 6.0			

CONCENTRATION UNITS:

		CONCENTRATION UNITS:					
C/A	s No.	COMPOUND	(ug/L or ug/Kg	) <u>UG/L</u>	Q		
10	0-52-7	-Benzaldehyde		54	U		
	8-95-2			54	U		
111	1-44-4	-Bis(2-chloroethyl) ether		54	ט		
95	-57-8	-2-Chlorophenol		54	U		
		-2-Methylphenol		54	ט		
110	8-60-1	-2,2'-Oxybis(1-Chloropropane)		54	U		
98	-86-2	-Acetophenone		5 <b>4</b>	ש		
10	6-44-5	-4-Methylphenol		54	ש		
		-N-Nitroso-Di-n-propylamine		54	ש		
67	-72-1	-Hexachloroethane		54	ט		
		-Nitrobenzene		54	ט		
78	-59-1	-Isophorone		54	ט		
88	-75-5	-2-Nitrophenol		54	ט		
10	5-67-9	-2,4-Dimethylphenol		54	ט ו		
11	1-91-1	-Bis(2-chloroethoxy) methane		54	ט		
12	0-83-2	-2,4-Dichlorophenol		54	ט		
91	-20-3	-Naphthalene		54	ן ט		
		-4-Chloroaniline		54	ט ו		
87	-68-3	-Hexachlorobutadiene		54	U .		
10	5-60-2	-Caprolactam	***************************************	54	ט ו		
59	-50-7 <del></del>	4-Chloro-3-methylphenol		54	ן ט		
91	-57-6	-2-Methylnaphthalene		54	U I		
77	-47-4	Hexachlorocyclopentadiene		140	<b>ט</b>		
88	-06-2	2,4,6-Trichlorophenol		54	υ l		
9\$	-95-4	2,4,5-Trichlorophenol		54	ט		
92	-52 <b>-4</b>	Biphenyl		54	ا تا		
		2-Chloronaphthalene		54	<u>ע</u>		
		2-Nitroaniline		140	ן מן		
		Dimethyl phthalate		54	Ū		
208	8-96-8 <b>-</b>	Acenaphthylene		54	Ū		
60	6-20-2	2,6-Dinitrotoluene		54	ا تا		
		3-Nitroaniline		140	l <del>u</del> l		
<u> </u>							

Client No.

I ah Mama.	STL Buffalo		Contract:	·	SW-10
Lew Marie.	SID DITTOIL	2	Officiacl:	<del></del>	
Lab Code:	<u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (	soil/water)	WATER		Lab Sample ID:	<u>A5C06201</u>
Sample wt	/vol:	920.00 (g/mL) N	<u>L</u>	Lab File ID:	V12263.RR
Level:	(low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e:	decanted: (Y/N	1) <u>N</u>	Date Extracted:	10/27/2005
Concentra	ted Extract	Volume: 1000 (uI	(د	Date Analyzed:	11/02/2005
Injection	Volume:	2.00 (uL)	•	Dilution Factor:	5.00
	to a few a				

GPC Clearup: (Y/N) N pH: 6.0

		CONCENTRATION UNIT	rs:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
	Acenaphthene		54	U
	2,4-Dinitrophenol		140	U
100-02-7 <i>-</i>	4-Nitrophenol		140	U
	Dibenzofuran		54	U
121-14-2	2,4-Dinitrotoluene		54	ប
84-66-2	Diethyl phthalate		54	U
	4-Chlorophenyl phenyl ether		54	U
	Fluorene		54	U
}	4-Nitroaniline		140	U
534-52-1	4,6-Dinitro-2-methylphenol_		140	ÜR
86-30-6	N-nitrosodiphenylamine		54	U
101-55-3	4-Bromophenyl phenyl ether_		54	U
	Hexachlorobenzene		54	U
	Atrazine		54	U
87-86-5	Pentachlorophenol		140	U
	Phenanthrene		54	U
	Anthracene		54	U
	Carbazole		54	U
84-74-2	Di-n-butyl phthalate		54	ט
	Fluoranthene		2	J
129-00-0			2	J
85-68-7	Butyl benzyl phthalate		54	ש
91-94-1	3,31-Dichlorobenzidine		54	U
56-55-3	Benzo (a) anthracene		1	J
	Chrysene		1	J
	Bis(2-ethylhexyl) phthalate		54	ט
117-84-0	Di-n-octyl phthalate		<b>54</b> .	ט
205-99-2	Benzo(b)fluoranthene		3	J
207-08-9	Benzo(k)fluoranthene		3	J
50-32-8	Benzo (a) pyrene		2	J
193-39-5	Indeno (1, 2, 3-cd) pyrene		54	ט
53-70-3	Dibenzo (a, h) anthracene		54	ש

Lab Name:	STL Buffalo	e Cor	ntract:		SW-10	
			SAS No.:	<del></del>	_	
Matrix: (s	oil/water)	WATER		Lab Sample ID:	<u> A5C06201</u>	_
Sample wt/	vol:	920.00 (g/mL) <u>ML</u>		Lab File ID:	<u>V12263.R</u>	R
Level:	low/med)	LOW		Date Samp/Recv:	10/25/20	05 <u>10/26/2005</u>
% Moisture	:	decanted: (Y/N)	N	Date Extracted:	10/27/20	<u>05</u>
Concentrat	ed Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/20	<u>05</u>
Injection	Volume:	2.00 (uL)		Dilution Factor:	5.00	
GPC Cleanu	p: (Y/N) <u>N</u>	pH: <u>6.0</u>				
Q	as no.	COMPOUND		CENIRATION UNITS: g/L or ug/Kg)		Q
1	91-24-2	Benzo(ghi)peryl	ene		54	ט

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>\$IL Buffalo</u>	Contract:		SW-10		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:			
Matrix: (spil/water) WATER		Lab Sample	ID: <u>A5C062</u>	01_	
Sample wt/vol: <u>920.00</u> (g/m	L) <u>ML</u>	Lab File I	D: <u>V12263</u>	.RR	·
Level: (low/med) <u>LOW</u>		Date Samp/	Recv: <u>10/25/</u>	2005 <u>1</u> 0	0/26/2005
% Moisture decanted: (	Y/N) <u>N</u>	Date Extra	cted: <u>10/27/</u>	2005	
Concentrated Extract Volume: 10	<u>00</u> (uL)	Date Analy	zed: <u>11/02/</u>	2005	
Injection Volume:2.00 (uL)		Dilution F	actor: 5.0	<u>00</u>	
GPC Cleanup: (Y/N) N pi	H: <u>6.0</u>				
Number TICs found: _0		CONCENTRATIO (ug/L or ug,	NUNITS: /Kg) <u>UG/L</u>	-	
CAS NO.	Compound Name	RT	Est. Conc.	Q	

Lab Name: STL Buffal	Contract:		SW-11
-			
Matrix: (sqil/water)	WATER	Lab Sample ID:	A5C06202
Sample wt/vol:	<u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	V12264.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	: Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injection Volume:		Dilution Factor:	10.00
CPC Cleaning (V/NI)	N ru. FO		·

			CONCENTRATION			
CAS	NO. C	COMPOUND	(ug/L or ug/	Kg)	UG/L	Q
	-52~7E		-		99	U
1 1	-95-2F				99	ן ט
1111-	-44-4B	is(2-chloroethyl) ether			99	U
95-5	57-82	-Chlorophenol			99	ט
95 -4	48-72	-Methylphenol			99	υ
1q8-	-60-12	,2'-Oxybis(1-Chloropropane)			99	ט
98-8	86-2A	.cetophenone			99	ן ט
		-Methylphenol			99	ן מן
621-	-64-7N	-Nitroso-Di-n-propylamine			99	ט ו
67-7	72-1Н	exachloroethane			99	ט
98-9	95-3N	itrobenzene			99	ט
78-5	59-1I	sophorone			99	ן ח
		-Nitrophenol			99	ט
105-	-67 <b>-</b> 92	,4-Dimethylphenol			99	U
1111-	-91-1B	is(2-chloroethoxy) methane			99	U
120-	-83-22	,4-Dichlorophenol			99	ט
	20-3N				99	ا تا
		-Chloroaniline			99	Ū
87-6	58-3H	exachlorobutadiene		ē	99	ן ען
105-	-60 <b>-</b> 2C	aprolactam			99	U
59-5	50-74	-Chloro-3-methylphenol	· · · · · · · · · · · · · · · · · · ·		99	ן עו
91-5	57-62	-Methylnaphthalene			99	Ū
77-4	17-4H	exachlorocyclopentadiene	·····	5	250	lΰ
88-0	6-22	,4,6-Trichlorophenol		-	99	ן מן
99-9	95-42	,4,5-Trichlorophenol			99	υ
92-5	52-4B	iphenyl			99	Ū
		-Chloronaphthalene			99	บ
88-7	74 <b>-</b> 42	-Nitroaniline		5	250	ן ע
		imethyl phthalate		2	99	Ū
208-	-96 <b>-</b> 8Ac	cenaphthylene			99	ប
606-	20-22	,6-Dinitrotoluene			99	U I
99-0	9-23	-Nitroaniline		-	250	ti l

Lah Mama.	STL Buffalo		ant was t		SW-11
man rance.	oin purraic	2	ontract:	_	1
Lab Code:	RBONY Ca	ase No.:	SAS No.:	SDG No.:	
Matrix: (s	pil/water)	WATER		Lab Sample ID:	A5C06202
Sample wt/	vol:	<u>1010.0</u> (g/mL) M	ட	Lab File ID:	V12264.RR
Level: (	low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	•	decanted: (Y/N	) <u>N</u>	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: 1000 (uL	)	Date Analyzed:	<u>11/02/2005</u>
Injection	Volume:	2.00 (uL)		Dilution Factor:	10.00
CPC Cleams	) (V/NI) N	I NU. EO			

		CONCENTRATION UNI	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	$\overline{\mathbb{G}}/\overline{\Gamma}$	Q
83-32-9	Acenaphthene		99	ט
5 1-28-5	2,4-Dinitrophenol		250	υ
100-02-7	4-Nitrophenol	*	250	บั
	Dibenzofuran		99	บ
121-14-2	2,4-Dinitrotoluene		99	U
84-66-2	Diethyl phthalate		99	U
7 05-72-3	4-Chlorophenyl phenyl ether		99	ט
85-73-7	Fluorene		99	U
	4-Nitroaniline		250	U
534-52-1	4,6-Dinitro-2-methylphenol		250	UR
85-30-6	N-nitrosodiphenylamine		99	U
101-55-3	4-Bromophenyl phenyl ether		99	ט
1128-74-1	Hexachlorobenzene		99	Ū
	Atrazine		99	ן ע
87-86-5	Pentachlorophenol		250	ן ט
85-01 <b>-8</b>	Phenanthrene		8	J
	Anthracene		3	J
85-74-8	Carbazole		99	Ū
84-74-2	Di-n-butyl phthalate		.99	ָ עַ
206-44-0	Fluoranthene		26	J
129-00-0	Pyrene		21	J
	Butyl benzyl phthalate		99	Ū
91-94-1	3,3 <sup>1</sup> -Dichlorobenzidine		99	Ū
56-55-3	Benzo (a) anthracene		12	J
218-01-9	Chrysene		14	J
	Bis(2-ethylhexyl) phthalate		99	ט   דו
117-84-0	Di-n-octyl phthalate		99	ם ו
205-99-2	Benzo(b) fluoranthene		21	J
207-08-9	Benzo(k) fluoranthene		8	J
50-32-8	Benzo (a) pyrene		16	J
193-39-5	Indeno (1,2,3-cd) pyrene		15	J
53-70-3	Dibenzo (a, h) anthracene		15 4	J
_			<b></b> -	

Ish Nama.	STL Buffalo Contract:		SW-11
LaD Nate:	SID BULIACC:		
Lab Code:	RECONY Case No.: SAS No.:	SDG No.:	
Matrix: (	soil/water) <u>WATER</u>	Lab Sample ID:	<u>A5C06202</u>
Sample wt	/vol: <u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	V12264.RR
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e: decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentra	ted Extract Volume: 1000(uL)	Date Analyzed:	11/02/2005
Injection	Volume: 2.00 (uL)	Dilution Factor:	10.00
GPC Clean	тр: (Y/N) <u>N</u> рн: <u>5.0</u>		
¢	· ·	NCENTRATION UNITS: ug/L or ug/Kg) <u>[</u>	<u>g/l</u> Q
	191-24-2Benzo(ghi)perylene		19 J

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: SIL Buffalo	Contract:	_	SW-11	-	
Lab Code: RECNY Case No.	: SAS No.:	SDG No.:			
Matrix: (soil/water) WATER		Lab Sample ID:	<u>A5C0620</u>	2	
Sample wt/vol: 1010.0	(g/mL) <u>ML</u>	Lab File ID:	V12264.	RR	
Level: (low/med) LOW		Date Samp/Recv:	10/25/2	:005 <u>10</u>	/26/2005
% Moisture: decant	ed: (Y/N) <u>N</u>	Date Extracted:	10/27/2	005	
Concentrated Extract Volume	: <u>1000</u> (uL)	Date Analyzed:	11/02/2	005	
Injection Volume: 2.00	(uL)	Dilution Factor	: 10.0	<u>00</u>	
GPC Cleanup: (Y/N) N	pH: <u>5.0</u>				
Number TICs found: 1		CONCENTRATION UNI (ug/L or ug/Kg)		•	
CAS NO.	Compound Name	RT Est.	Conc.	Q	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	15.05	36	J

		•			SW-12
Lab Name: <u>S</u>	TL Buffalo	<u>o</u> Cor	ntract:	_	
Lab Code: <u>Ri</u>	CONT C	ase No.:	SAS No.:	SDG No.:	
Matrix: (so:	1/water)	WATER		Lab Sample ID:	A5C06203
Sample wt/vo	<b>)</b> 1:	965.00 (g/mL) ML		Lab File ID:	V12259.RR
Level: (lo	w/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/N)	N	Date Extracted:	10/27/2005
Concentrate	Extract	Volume: 1000 (uL)		Date Analyzed:	11/01/2005
Injection V	plume:	2.00 (uL)		Dilution Factor:	1.00
TPC Cleamin	(V/N) 1	N THE 60		•	

108-95-2Phenol       10         111-44-4Bis (2-chloroethyl) ether       10         95-57-82-Chlorophenol       10         95-48-72-Methylphenol       10         108-60-12,2'-Oxybis (1-Chloropropane)       10         98-86-2Acetophenone       10         106-44-5	
108-95-2Phenol       10         111-44-4Bis (2-chloroethyl) ether       10         95-57-82-Chlorophenol       10         95-48-72-Methylphenol       10         108-60-12,2'-Oxybis (1-Chloropropane)       10         98-86-2Acetophenone       10         106-44-5	Q
111-44-4	U
95-57-82-Chlorophenol 10 95-48-72-Methylphenol 10 108-60-12,2'-Oxybis (1-Chloropropane) 10 98-86-2Acetophenone 10 106-44-54-Methylphenol 10 621-64-7Nitroso-Di-n-propylamine 10 67-72-1Hexachloroethane 10 98-95-3Nitrobenzene 10 88-75-52-Nitrophenol 10 105-67-92,4-Dimethylphenol 10 111-91-1Bis (2-chloroethoxy) methane 10 120-83-22,4-Dichlorophenol 10 91-20-3Naphthalene 10 105-60-2Caprolactam 10 97-57-64-Chloro-3-methylphenol 10 91-57-62-Methylnaphthalene 10 77-47-4Hexachlorocyclopentadiene 26 88-06-22,4,6-Trichlorophenol 10 95-95-42,4,5-Trichlorophenol 10	U
95-48-72-Methylphenol 10 108-60-12,2'-Oxybis (1-Chloropropane) 10 98-86-2Acetophenone 10 106-44-54-Methylphenol 10 621-64-7N-Nitroso-Di-n-propylamine 10 67-72-1Hexachloroethane 10 98-95-3Nitrobenzene 10 78-59-1Isophorone 10 88-75-52-Nitrophenol 10 105-67-92,4-Dimethylphenol 10 111-91-1Bis (2-chloroethoxy) methane 10 120-83-22,4-Dichlorophenol 10 91-20-3Naphthalene 10 105-60-2	U
108-60-12,2'-Oxybis (1-Chloropropane)       10         98-86-2Acetophenone       10         105-44-54-Methylphenol       10         621-64-7N-Nitroso-Di-n-propylamine       10         67-72-1Hexachloroethane       10         98-95-3Nitrobenzene       10         78-59-1Isophorone       10         88-75-52-Nitrophenol       10         105-67-92,4-Dimethylphenol       10         111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3	U
98-86-2Acetophenone       10         105-44-54-Methylphenol       10         621-64-7N-Nitroso-Di-n-propylamine       10         67-72-1Hexachloroethane       10         98-95-3Nitrobenzene       10         78-59-1Isophorone       10         88-75-5	U
105-44-54-Methylphenol       10         621-64-7N-Nitroso-Di-n-propylamine       10         67-72-1Hexachloroethane       10         98-95-3Nitrobenzene       10         78-59-1Isophorone       10         88-75-52-Nitrophenol       10         105-67-92,4-Dimethylphenol       10         111-91-1	ប
621-64-7N-Nitroso-Di-n-propylamine 10 67-72-1Hexachloroethane 10 98-95-3Nitrobenzene 10 78-59-1Isophorone 10 88-75-52-Nitrophenol 10 105-67-92,4-Dimethylphenol 10 111-91-1Bis (2-chloroethoxy) methane 10 120-83-22,4-Dichlorophenol 10 91-20-3Naphthalene 10 105-47-8	U
67-72-1	U
98-95-3Nitrobenzene       10         78-59-1Isophorone       10         88-75-52-Nitrophenol       10         105-67-92,4-Dimethylphenol       10         111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         105-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-24-Chloro-3-methylphenol       10         91-57-6	U
78-59-1Isophorone       10         88-75-52-Nitrophenol       10         105-67-92,4-Dimethylphenol       10         111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         106-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2	U
88-75-52-Nitrophenol       10         105-67-92,4-Dimethylphenol       10         111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         105-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
105-67-92,4-Dimethylphenol       10         111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         105-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
111-91-1Bis (2-chloroethoxy) methane       10         120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         105-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2	U
120-83-22,4-Dichlorophenol       10         91-20-3Naphthalene       10         106-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	ប
91-20-3Naphthalene       10         105-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
106-47-84-Chloroaniline       10         87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
87-68-3Hexachlorobutadiene       10         105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
105-60-2Caprolactam       10         59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
59-50-74-Chloro-3-methylphenol       10         91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
91-57-62-Methylnaphthalene       10         77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
77-47-4Hexachlorocyclopentadiene       26         88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	Ū
88-06-22,4,6-Trichlorophenol       10         95-95-42,4,5-Trichlorophenol       10	U
95-95-42,4,5-Trichlorophenol 10	U
1 - 1	IJ
92-52-4Biphenyl 10	IJ
	U
	U
	IJ
	J
	J
	J
99-09-23-Nitroaniline 26	J

Lab Name: STL Buffal	o Contract:		SW-12
	ase No.: SAS No.:	<del></del>	
Matrix: (spil/water)	WATER	Lab Sample ID:	A5C06203
Sample wt/vol:	<u>965.00</u> (g/mL) <u>ML</u>	Lab File ID:	V12259.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH: 6.0		

α	As NO.	COMPOUND	CONCENTRATION (ug/L or ug/l	 UG/L	Q
8	3-32 <b>-</b> 9	-Acenaphthene	-	 10	บ
		-2,4-Dinitrophenol		26	U
11	00-02-7	-4-Nitrophenol	<del>-</del>	26	ט
		-Dibenzofuran		10	ע
1	21-14-2	-2,4-Dinitrotoluene		10	บ
8	1-66-2	-Diethyl phthalate		10	U
7	005-72-3	-4-Chlorophenyl phenyl ether		10	ט
	5-73-7			10	ט
1	00-01-6	-4-Nitroaniline		26	ט
5	34-52-1	-4,6-Dinitro-2-methylphenol		26	ן טן
8	5-30-6	-N-nitrosodiphenylamine		10	ן ט
1	)1-55-3	-4-Bromophenyl phenyl ether		10	U
1	18-74-1	-Hexachlorobenzene	<del> </del>	10	U
1	912-24-9	-Atrazine	·	10	υ
8	7-86-5	-Pentachlorophenol	<del> </del>	26	U
8	5-01-8	-Phenanthrene		10	Ū
1	20-12-7	-Anthracene		10	ט
8	5-74-8	-Carbazole	<del></del>	10	ן ט
8	-74-2	-Di-n-butyl phthalate		10	ט
		-Fluoranthene		10	υ
112	9-00-0	-Pyrene		10	U
		-Butyl benzyl phthalate		1.0	บ
91	94-1	-3,3'-Dichlorobenzidine		10	Ū
		-Benzo (a) anthracene		10	υ
	8-01-9			10	ט
		-Bis(2-ethylhexyl) phthalate		10	ן ע
111	7-84-0	-Di-n-octyl phthalate	<del></del>	10	ן ט
		Benzo (b) fluoranthene		10	ซ้
		-Benzo (k) fluoranthene	· · · · · · · · · · · · · · · · · · ·	10	บ็
50	-32-8	-Benzo (a) pyrene		10	ָ <sup>ט</sup>
19	3-39-5	Indeno (1,2,3-cd) pyrene		10	ט
53	-70-3	-Dibenzo (a, h) anthracene		10	ט
Щ				 	

emeN del	STL Buffalo Contract:		SW-12
TWILL !	Contract;		
Lab Code: ]	RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (se	oil/water) <u>WATER</u>	Lab Sample ID:	A5C06203
Sample wt/	vol: <u>965.00</u> (g/mL) <u>ML</u>	Lab File ID:	V12259.RR
Level: (	low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
₹ Moisture	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrate	ed Extract Volume: 1000 (uL)	Date Analyzed:	11/01/2005
Injection '	Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanu	p: (Y/N) <u>N</u> pH: <u>6.0</u>	•	
<u>a</u>	l	CENTRATION UNITS: g/L or ug/Kg) <u>U</u>	G/L Q
1:	91-24-2Benzo(ghi)perylene		10 ບ

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name:	STL Buffalo	Contract:			1	SW-12 ———		
Lab Code:	RECNY Case No	o.: SAS No.:		SDG No.: _				
Matrix: (	soil/water) WATER	<u>}</u>		Lab Sampl	le ID:	<u>A5C0620</u>	03	
Sample wt	/vol: <u>965.0</u>	00 (g/mL) <u>ML</u>		Lab File	ID:	<u>V12259</u>	.RR	<del></del>
Level:	(low/med) LOW			Date Samp	/Recv:	10/25/2	2005 10	)/26/2005
% Moistur	e: decan	nted: (Y/N) <u>N</u>		Date Exti	racted:	10/27/2	2005	
Concentrai	ted Extract Volum	e: <u>1000</u> (uL)		Date Anal	lyzed:	11/01/2	2005	
Injection	Volume: 2.00	(uL)		Dilution	Factor:	1.0	00	
GPC Clean	up: (Y/N) <u>N</u>	рн: <u>6.0</u>					•	
Number TI	Cs found: 1		(	CONCENTRATI (ug/L or 1	:	- •	-	
	CAS NO.	Compound Name		RT	Est. (	Conc.	Q	
	1.	UNKNOWN		15.49		3	J	

15.49

Lab Name:	STL Buffalo	0	Contract:		SW-13
		<del></del>	SAS No.:	 SDG No.:	
Matrix: (	  soil/water	WATER		Lab Sample ID:	A5C06204
Sample wt	/vol:	980.00 (g/mL)	<u>MI.</u>	Lab File ID:	<u>V12260.RR</u>
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e:	decanted: (Y/	и) <u>й</u>	Date Extracted:	10/27/2005
Concentra	ted Extract	Volume: 1000 (u	L)	Date Analyzed:	11/01/2005
Injection	Volume:	<u>2.00</u> (uL)		Dilution Factor:	1.00
GPC Clean	up: (Y/N) <u>1</u>	N pH: 6.0	•		

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	 : <u>UG/L</u>	Q
100-52-7	Benzaldehyde		 10	υ
108-95-2			10	II
111-44-4	Bis(2-chloroethyl) ether		10	Ū
95-57-8	2-Chlorophenol		10	Ū
95-48-7	2-Methylphenol		10	lΰ
	2,2'-Oxybis(1-Chloropropane)		10	ΙŪ
98-86-2	Acetophenone		10	Ū
106-44-5	4-Methylphenol		10	ΙŪ
	-N-Nitroso-Di-n-propylamine		10	lΰ
	Hexachloroethane		10	Ū
98-95-3	Nitrobenzene		10	<u></u>
78-59-1	Isophorone		10	Ū
88-75-5	2-Nitrophenol		10	Ū
105-67-9	2,4-Dimethylphenol		10	Ū
111-91-1	Bis(2-chloroethoxy) methane	· · · · · · · · · · · · · · · · · · ·	10	ט
	2,4-Dichlorophenol	,	10	บิ
91-20-3			10	Ū
	-4-Chloroaniline		10	Ū
	Hexachlorobutadiene		10	Ū
105-60-2			10	Ū
	-4-Chloro-3-methylphenol		10	Ū
	2-Methylnaphthalene	· · · · · · · · · · · · · · · · · · ·	10	Ū
	-Hexachlorocyclopentadiene		26	lΰ
88-06-2	-2,4,6-Trichlorophenol		10	บั
	-2,4,5-Trichlorophenol		10	บ
92-52-4	-Biphenvl		10	บั
	-2-Chloronaphthalene		10	Ū
	-2-Nitroaniline		26	Ü
	-Dimethyl phthalate		10	Ū
	-Acenaphthylene		10	บ
	-2,6-Dinitrotoluene		10	Ū
	-3-Nitroaniline		26	ប

Lab Name: STL Buffalo Contract:		SW-13
	_	
Lab Code: REKINY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5C06204
Sample wt/vol: <u>980.00</u> (g/mL) <u>ML</u>	Lab File ID:	V12260.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/01/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.0		

745 NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	rs: <u>ug/l</u>	Q
33-32-9	Acenaphthene		10	
	2,4-Dinitrophenol		10 26	Ū
	4-Nitrophenol			U
	Dibenzofuran		26	U
	2,4-Dinitrotoluene		10	U
4-66-2	Diethyl phthalate		10	Ü
MOS-72-2-	4-Chlorophenyl phenyl ether		10	U
96-73-7	Fluorene		10	U
	4-Nitroaniline		10	ប
	4-Nitroaniine 4,6-Dinitro-2-methylphenol		26	ប
4-30-6	4,6-bilicio-2-methylphenoi_ N-nitrosodiphenylamine		26	ט
0-30-0 01EE- 2	4-Bromphenyl phenyl ether		10	Ū
10.74 1	4-Bromphenyi phenyi ether_ Hexachlorobenzene		10	U
	hexacinorobenzene Atrazine		10	שׁ
			10	U
F 03 0	Phenanthrene		26	U
	Prienantrirene Anthracene		0.5	J
	Anthracene Carbazole		10	υ
			10	שן
4-/4-2	Di-n-butyl phthalate		10	ַ ט
	Fluoranthene		1	J
<b>1</b> 9-00-0			1	J
<b>5</b> -68-7	Butyl benzyl phthalate		10	U
1-94-1	3,31-Dichlorobenzidine		10	U
<b>6-55-3</b> -	Benzo (a) anthracene		0.6	J
	Chrysene		0.8	J
<b>1</b> 7-81-7	Bis(2-ethylhexyl) phthalate		10	U
17-84 <b>-</b> 0	Di-n-octyl phthalate		10	ប
<b>9</b> 5-99 <b>-</b> 2	Benzo(b)fluoranthene		1	J
<b> </b> 7-08-9 <b>-</b>	Benzo(k)fluoranthene		0.4	J
<b>9-</b> 32-8	Benzo (a) pyrene		0.8	J
<del> </del> 3-39-5	Indeno (1, 2, 3-cd) pyrene		0,6	Ĵ
3-70-3	Dibenzo (a,h) anthracene		10	ĺΰ

Jab Name: S	TL Buffalo Contract:		SW-13
	Concract:	<del></del>	
Lab Code: E	ECNY Case No.: SAS No.:	SDG No.:	
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID:	A5C06204
Sample wt/v	ol: <u>980.00</u> (g/mL) <u>M</u> L	Lab File ID:	V12260.RR
Level: (1	ow/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrate	d Extract Volume: 1000 (uL)	Date Analyzed:	11/01/2005
Injection V	olume: 2.00 (uL)	Dilution Factor:	1,00
GPC Cleanup	: (Y/N) N pH: 6.0		·
		CENTRATION UNITS:	
C#	T = -	g/L or ug/Kg) <u>U</u>	<u>g/l</u> Q
19	1-24-2Benzo(ghi)perylene		0.7 J

### ASP 2000 - MEIHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>\$TL Buffalo</u> Contract:		SW-13
tab Maile: <u>bit Boltato</u> Contract:	_	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (spil/water) WATER	Lab Sample ID:	<u>A5C06204</u>
Sample wt/vol: 980.00 (g/mL) ML	Lab File ID:	V12260.RR
Level: (low/med) LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/01/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.0		
Number TICs found: 4	CONCENTRATION UNIT	•

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 541-02-6 2. 100017-94-0 3. 4. 559-74-0	DECAMETHYLCYCLOPENTASILOXANE 2(1H)NAPHTHALFNONE,3,5,6,7,8 UNKNOWN FRIEDELAN-3-ONE	7.96 19.01 19.43 20.15	2 6 10 22	K K K K K

Lab Name:	STL Buffalo	n (	ontract:		SW-14
		_			
Lab Code:	RECNY C	ase No.:	SAS No.:	SDG No.:	
Matrix: (	soil/water)	WATER		Lab Sample ID:	A5C06205
Sample wt	/vol:	960.00 (g/mL) M	<u>IL</u>	Lab File ID:	V12265.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	e:	decanted: (Y/N	i) <u>N</u>	Date Extracted:	10/27/2005
Concentra	ted Extract	Volume: 1000 (ul	.)	Date Analyzed:	11/02/2005
Injection	Volume:	2.00(uL)		Dilution Factor:	1.00
GPC Clean	up: (Y/N) h	V DH: 6.0			•

		CONCENTRATION UNI	rs:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
	Benzaldehyde		10	U
108-95-2			10	ט l
111-44-4	Bis(2-chloroethyl) ether		10	lυ
95-57-8	2-Chlorophenol		10	ט
95-48-7	2-Methylphenol		10	U
108-60-1	2,2'-Oxybis(1-Chloropropane	e)	10	บ
98-86-2	Acetophenone		10	ש
106-44-5	4-Methylphenol		10	lυ
621-64-7	N-Nitroso-Di-n-propylamine		10	ט
	Hexachloroethane		10	Ū
98-95-3	Nitrobenzene		10	U
78-59-1	Isophorone		10	ט
88-75-5	2-Nitrophenol		10	U
105-67-9	2,4-Dimethylphenol		10	ប
111-91-1	Bis(2-chloroethoxy) methane		10	υ
120-83-2	2,4-Dichlorophenol		10	Ū
	Naphthalene		10	ľŪ
	4-Chloroaniline		10	Ū
87-68-3	Hexachlorobutadiene		10	ט
105-60-2	Caprolactam		10	Ū
59-50-7	4-Chloro-3-methylphenol		10	Ū
	2-Methylnaphthalene		10	Ū
77-47-4	Hexachlorocyclopentadiene		26	ט
88-06-2	2,4,6-Trichlorophenol		10	Ū
95-95-4	2,4,5-Trichlorophenol		10	ט
92-52-4	Biphenyl		10	Ū
	2-Chloronaphthalene		10	Ū
88-74-4	2-Nitroaniline		26	lΰ
131-11-3	Dimethyl phthalate		10	Ū
208-96-8	Acenaphthylene		10	Ŭ
606-20-2	2,6-Dinitrotoluene		10	ט
99-09-2	3-Nitroaniline		26	บ
····				1

Client No.

					SW-14
Lab Name: <u>S</u>	L Buffalo	5 (	Contract:		
Lab Code: <u>R</u>	<u>DONY</u> Ca	ase No.:	SAS No.:	SDG No.:	
Matrix: (so	il/water)	WATER		Lab Sample ID:	A5C06205
Sample wt/v	ol:	960.00 (g/mL) 1	<u>vII.</u>	Lab File ID:	V12265.RR
Level: (l	ow/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/1	1) <u>N</u>	Date Extracted:	10/27/2005
Concentrate	d Extract	Volume: 1000 (ul	۲)	Date Analyzed:	11/02/2005
Injection V	olume:	2.00 (uL)	: :	Dilution Factor:	1.00

(Y/N) <u>N</u> pH: <u>6.0</u>

GPC Cleanup:

		CONCENIRATION U	NITS:	
CAS 1	NO. COMPOUND	(ug/L or ug/Kg	j) <u>UG/L</u>	Q
	2-9Acenaphthene		10	U
51-2	8-52,4-Dinitrophenol		26	U
10p-	02-74-Nitrophenol		26	U
132-0	64-9Dibenzofuran		10	ט
	14-22,4-Dinitrotoluene		10	ע
	6-2Diethyl phthalate		10	ט
70þ5	-72-34-Chlorophenyl phenyl ether		10	ט
	3-7Fluorene		10	ט
1 ' I'	01-64-Nitroaniline		26	ט
534-9	52-14,6-Dinitro-2-methylphenol		26	บค
	0-6N-nitrosodiphenylamine		10	ט
101-9	55-34-Bromophenyl phenyl ether		10	ן ט
	74-1Hexachlorobenzene		10	ט
1 1	-24-9Atrazine		10	ע
	6-5Pentachlorophenol		26	ע
± (	1-8Phenanthrene		10	ט
1 -1	12-7Anthracene		10	U
	4-8Carbazole		10	U
84-74	4-2Di-n-butyl phthalate		. 10	U
	44-0Fluoranthene		0.3	J
129-0	00-0Pyrene		10	U
85-68	8-7Butyl benzyl phthalate		10	ט
91-94	4-13,3'-Dichlorobenzidine		10	U
56-55	5-3Benzo (a) anthracene		10	ן טן
218-0	01-9Chrysene		10	ן טן
	81-7Bis(2-ethylhexyl) phthalate		10	บ
	84-0Di-n-octyl phthalate		10	U
	99-2Benzo (b) fluoranthene		10	U
207-0	08-9Benzo(k) fluoranthene		10	U
	2-8Benzo (a) pyrene		10	ט
	39-5Indeno (1, 2, 3-cd) pyrene		10	ט ו
53-70	0-3Dibenzo (a, h) anthracene		10	บ

Lab Name:	SIL Buffa	<u>lo</u>	ontract:			SW-14		·
		Case No.:		<del></del>				
Matrix: (	soll/water	) <u>water</u>		Lab Sample	ID:	A5C06205		
Sample wt	/vol:	960.00 (g/mL) MI	<u>.</u>	Lab File I	D: j	V12265.RR		
Level:	(low/med)	LOW		Date Samp/1	Recv: j	10/25/2005	10/2	<u>6/2005</u>
% Moistur	e:	decanted: (Y/N)	<u>N</u>	Date Extra	cted: j	10/27/2005	į	
Concentra	ted Extrac	t Volume: <u>1000</u> (បL)	H	Date Analy:	zed:	11/02/2005	į	
Injection	Volume:	2.00 (vL)	,	Dilution Fa	actor: _	1.00		
GPC Clean	rup: (Y/N)	<u>N</u> pH: <u>6.0</u>						
	CAS NO.	COMPOUND		ONCENTRATION ( (ug/L or ug/Ko		<u>3/L</u>	Q	
i	191-24-2	Benzo(ghi)pery	vlene		-	ro n		

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo	Contract:		SW-14		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: _			
Matrix: (soil/water) WATER		Lab Sampl	e ID: <u>A5C06</u> 2	205	
Sample wt/vol: 960.00	(g/mL) <u>ML</u>	Lab File	ID: <u>V1226</u> 5	5.RR	_
Level: (low/med) LOW		Date Samp	/Recv: <u>10/25</u>	<u>/2005 10</u>	/26/2005
% Moisture: decante	d: (Y/N) <u>N</u>	Date Extr	acted: <u>10/27</u>	<u>/2005</u>	
Concentrated Extract Volume:	<u>1000</u> (uL)	Date Anal	yzed: <u>11/02</u> ,	/2005	
Injection Volume:2.00 (	uL)	Dilution	Factor: 1	.00	
GPC Cleanup: (Y/N) N	pH: 6.0				
Number TICs found: 0		CONCENTRATI (ug/L or u	ON UNITS: pg/Kg) <u>UG/L</u>	_	
CAS NO.	Compound Name	RT	Est. Conc.	Q	

Client No.

Lab Name: 9	SIL Buffalo	o Occ	ontract:	•	SW-15
		_	SAS No.:		
Matrix: (so	il/water)	WATER		Lab Sample ID:	A5C06206
Sample wt/	vol:	1050.0 (g/mL) MI	ı	Lab File ID:	V12266.RR
Level: (	low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	<b> </b>	decanted: (Y/N)	$\bar{\mathbf{n}}$	Date Extracted:	10/27/2005
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection V	olume:	2.00 (vL)	•	Dilution Factor:	1.00
GPC Cleamin	(Y/N) N	v pu. co		•	

ec creaming: (Y/N) N pH:  $\underline{6.0}$ 

_			CONCENTRATION			
CA	s No.	COMPOUND	(ug/L or ug/l	Kg)	UG/L	Q
110	0-52 <b>-7</b>	-Benzaldehyde			10	u
	8-95-2				10	ט
11	1-44-4	-Bis(2-chloroethyl) ether			10	U
95	-57-8	-2-Chlorophenol			10	บ
95	-48-7 <b>-</b>	-2-Methylphenol_			10	σ
10	8-60-1	-2,2'-Oxybis(1-Chloropropane)			10	Ū
98	-86-2	-Acetophenone			10	U
110	6-44-5	-4-Methylphenol			10	υ
62	1-64-7	-N-Nitroso-Di-n-propylamine			10	ט
67	-72 <b>-1</b>	-Hexachloroethane	-		10	ט
		-Nitrobenzene			10	[U
	-59-1				10	U
		-2-Nitrophenol			10	U
		-2,4-Dimethylphenol			10	ן ט
11	1-91-1	-Bis(2-chloroethoxy) methane			10	U I
14	0-83-2	-2,4-Dichlorophenol			10	ט
		-Naphthalene			10	ט
		-4-Chloroaniline			10	ט
87.	-68-3	-Hexachlorobutadiene			10	ט
105	5-60-2	-Caprolactam			10	ן ט
59-	-50-7	4-Chloro-3-methylphenol			10	ן ט
91 -	-57 <b>-</b> 6	-2-Methylnaphthalene_			10	ן ען
77-	-47-4	Hexachlorocyclopentadiene			24	<b>ט</b>
88-	-06 <b>-2-</b>	2,4,6-Trichlorophenol_			10	U
95-	-95-4	2,4,5-Trichlorophenol			10	ן ט
	-52-4				10	ט
91-	-58-7 <b></b>	2-Chloronaphthalene			10	ט
88-	-74-4 <b></b> -	2-Nitroaniline			24	υ
131	L <b>-</b> 11-3	Dimethyl phthalate			10	ט
208	3 <b>-</b> 96-8	Acenaphthylene			10	U
		2,6-Dinitrotoluene			10	U
99-	09-2	3-Nitroaniline			24	ט
$\vdash$						

Client No.

tah Mama.	CTT DAFFOL	, 			SW-15
ואטוופיו עמווב:	STL Buffalo	<u>o</u>	ntract:		· · · · · · · · · · · · · · · · · · ·
Lab Code:	RECNY C	ase No.:	SAS No.:	SDG No.:	
Matrix: (s	soil/water)	WATER		Lab Sample ID:	A5C06206
Sample wt,	/vol:	1050.0 (g/mL) ML		Lab File ID:	V12266.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	<b>:</b>	decanted: (Y/N)	Й	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: 1000 (uL)	·	Date Analyzed:	11/02/2005
Injection	Volume:	2.00 (uL)		Dilution Factor:	1.00
GPC Cleam	ф: (Y/N) <u>]</u>	N pH: 6.0		•	

CONCENTRATION INTER

		CONCENTRATION UN	NITS:	
AS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/l</u>	Q
	Acenaphthene		10	υ
	2,4-Dinitrophenol		24	U
	4-Nitrophenol		24	υ
	Dibenzofuran		10	บ
	2,4-Dinitrotoluene		10	U
	Diethyl phthalate		10	υ
	4-Chlorophenyl phenyl ether		10	U
36-73-7			10	U
	4-Nitroaniline		24	U
534-52-1	4,6-Dinitro-2-methylphenol		24	UR
36-30-6	N-nitrosodiphenylamine		10	U
101-55-3	4-Bromophenyl phenyl ether		10	υ
	Hexachlorobenzene		10	บ
l912-24-9			10	U
	Pentachlorophenol		24	U
	Phenanthrene		10	U
	Anthracene		10	U
36-74-8			10	U
	Di-n-butyl phthalate		10	U
	Fluoranthene		10	U
29-00-0			10	U
85 <b>-</b> 68 <b>-</b> 7	Butyl benzyl phthalate		10	ט
1-94-1	3,3'-Dichlorobenzidine		10	ប
	Benzo (a) anthracene		10	ប
18-01-9	Chrysene		10	U
.17-81-7	Bis(2-ethylhexyl) phthalate		10	ט
.17-84-0	Di-n-octyl phthalate		10	ט
205-99-2	Benzo(b)fluoranthene		10	ט
207-08-9	Benzo(k) fluoranthene		10	ប
50-32 <b>-</b> 8	Benzo (a) pyrene		10	ט
.93-39-5	Indeno(1,2,3-cd)pyrene		10	U
3-70-3	Dibenzo (a,h) anthracene		10	U

Lab Name	: STL Buffalo Contract:		SW-15
	wilclact;		
Lab Code	: RECNY Case No.: SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>WATER</u>	Lab Sample ID:	A5C06206
Sample w	/vol: <u>1050.0</u> (g/mL) <u>ML</u>	Lab File ID:	<u>V12266.RR</u>
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistu	re: decanted: (Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentr	ated Extract Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injectio	n Volume: 2.00(uL)	Dilution Factor:	1.00
GPC Clea	nup: (Y/N) N pH: 6.0		
		ONCENTRATION UNITS: (ug/L or ug/Kg) <u>u</u>	<u>G/L</u> Q
	191-24-2Benzo (ghi) perylene		10 U

# ASP 2000 - MEIHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			·	SW-15
Lab Name:	STL Buffalo Contra	ct:	i.	
Lab Code:	RECNY Case No.: SA	S No.:	SDG No.:	
Matrix: (s	oil/water) <u>WATER</u>		Lab Sample ID:	A5C06206
Sample wt/	vol: <u>1050.0</u> (g/mL) <u>ML</u>		Lab File ID:	V12266.RR
Level: (	low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	: decanted: (Y/N) <u>N</u>		Date Extracted:	10/27/2005
Concentrat	ed Extract Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection	Volume: <u>2.00</u> (uL)		Dilution Factor:	1.00
GPC Cleanu	p: (Y/N) N pH: 6.0		•	
Number TIC	s found:5	C	CONCENTRATION UNIT (ug/L or ug/Kg)	<del></del>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 111-76-2 2. 3. 4. 5.	2-BUTOXYETHANOL UNKNOWN ACID UNKNOWN ACID UNKNOWN UNKNOWN	5.33 15.03 15.06 15.65 16.75	12 4 8 3 2	J J J J

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120

### ASP 2000 - METHOD 8270 SEMIVOLATTLES ANALYSIS DATA SHEET

Client No.

emeM del	STL Buffalc		ontract:		SW-16
LEED TRAILES.	DID BULLATO	ي ر	DILLACL:	<del></del>	
Lab Code:	RECONY Co	ase No.:	SAS No.:	SDG No.:	
Matrix: (s	oil/water)	WATER		Lab Sample ID:	A5C06207
Sample wt/	vol:	<u>1050.0</u> (g/mL) <u>M</u>	L	Lab File ID:	V12267.RR
Level: (	low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	<b>:</b>	decanted: (Y/N	) <u>N</u>	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: 1000 (uL	)	Date Analyzed:	11/02/2005
Injection '	Volume:	2.00 (uL)		Dilution Factor:	5.00
GPC Cleanu	b: (Y/N) N	7 pH: 6.0	•		•

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/LQ 100-52-7----Benzaldehyde 48 U 108-95-2----Phenol 48 U 111-44-4----Bis(2-chloroethyl) ether 48 U 95-57-8----2-Chlorophenol 48 U 95-48-7----2-Methylphenol U 48 108-60-1----2,2'-Oxybis(1-Chloropropane) 48 U 98-86-2----Acetophenone U 48 106-44-5----4-Methylphenol U 48 621-64-7----N-Nitroso-Di-n-propylamine U 48 67-72-1----Hexachloroethane U 48 98-95-3----Nitrobenzene 48 U 78-59-1-----Isophorone 48 U 88-75-5----2-Nitrophenol 48 U 105-67-9----2,4-Dimethylphenol 48 U 111-91-1----Bis (2-chloroethoxy) methane U 48 120-83-2----2,4-Dichlorophenol U 48 91-20-3----Naphthalene U 48 106-47-8----4-Chloroaniline 48 U 87-68-3-----Hexachlorobutadiene 48 U 105-60-2----Caprolactam 48 U 59-50-7----4-Chloro-3-methylphenol 48 U 91-57-6----2-Methylnaphthalene 48 U 7/7-47-4-----Hexachlorocyclopentadiene U 120

88-06-2----2,4,6-Trichlorophenol

95-95-4----2,4,5-Trichlorophenol

91-58-7----2-Chloronaphthalene

131-11-3----Dimethyl phthalate

606-20-2----2,6-Dinitrotoluene

88-74-4----2-Nitroaniline

208-96-8----Acenaphthylene

99-09-2----3-Nitroaniline

92-52-4----Biphenyl

Lab Name:	STL Buffalo	) <u>(</u>	ontract:		SW-16
			~101000 ·	<del>/// -                                 </del>	
Lab Code:	RECNY Ca	use No.:	SAS No.:	SDG No.:	
Matrix: (s	pil/water)	WATER		Lab Sample ID:	A5C06207
Sample wt/	vol:	<u>1050.0</u> (g/mL) <u>M</u>	Ŀ	Lab File ID:	<u>V12267.RR</u>
Level: (	low/med)	LOW	-	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	:	decanted: (Y/N)	) <u>N</u>	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: 1000 (uL)	)	Date Analyzed:	11/02/2005
Injection	Volume:	<u>2.00</u> (uL)		Dilution Factor:	5.00
GPC Cleanu	o: (Y/N) N	J pH: 6.0			

83-32-9Acenaphthene	<u></u>		CONCENTRATION UNI		
51-28-52,4-Dinitrophenol   120   U   100-02-74-Nitrophenol   120   U   132-64-9Dibenzofuram   48   U   121-14-22,4-Dinitrotoluene   48   U   84-66-2Diethyl phthalate   48   U   86-62Piethyl phthalate   48   U   86-73-7Fluorene   48   U   100-01-64-Nitroeniline   120   U   85-30-6N-nitrosodiphenylamine   120   U   86-30-6N-nitrosodiphenylamine   48   U   101-55-34-Encorphenyl phenyl ether   48   U   101-55-34-Encorphenyl phenyl ether   48   U   1912-24-9Atrazine   48   U   1912-24-9Atrazine   48   U   120-12-7Anthracene   48   U   129-00-0Pluoranthene   48   U   129-00-0Pluoranthene   48   U   129-01-0	CAS NO.	COMPOUND	(vg/L or vg/Kg)	UG/L	Q
51-28-52, 4-Dinitrophenol   120   U   100-02-74-Nitrophenol   120   U   132-64-9Dibenzofuran   48   U   121-14-22, 4-Dinitrotoluene   48   U   84-66-2Dietnyl phthalate   48   U   86-73-7Fluorene   48   U   86-73-7Fluorene   48   U   100-01-64-Nitroeniline   120   U   85-30-6N-nitroediphenylamine   120   U   86-30-6N-nitrosodiphenylamine   48   U   101-55-34-Bromophenyl phenyl ether   48   U   101-55-34-Bromophenyl phenyl ether   48   U   101-55-34-Bromophenyl phenyl ether   48   U   101-24-9Atrazine   48   U   101-24-9Atrazine   48   U   101-24-9Atrazine   48   U   100-12-7Anthracene   48   U   100-12-7	83-32-9	Acenaphthene		48	U
182-64-9Dibenzofuran				120	1
121-14-22,4-Dinitrotoluene   48	100-02-7	4-Nitrophenol_		120	U
84-66-2				48	U
7005-72-34-Chlorophenyl phenyl ether	121-14-2	2,4-Dinitrotoluene		48	U
86-73-7Fluorene	84-66-2	Diethyl phthalate		48	U
86-73-7Fluorene	7005-72-3	-4-Chlorophenyl phenyl ether		48	ט
534-52-14,6-Dinitro-2-methylphenol       120       UR         86-30-6N-nitrosodiphenylamine       48       U         101-55-34-Bromophenyl phenyl ether       48       U         118-74-1Hexachlorobenzene       48       U         1912-24-9Atrazine       48       U         87-86-5Pentachlorophenol       120       U         85-01-8	8 <mark>6-73-7</mark>	Fluorene		48	ับ
S6-30-6N-nitroscdiphenylamine				120	U
101-55-34-Bromophenyl phenyl ether       48       U         118-74-1Hexachlorobenzene       48       U         1912-24-9Atrazine       48       U         87-86-5Pentachlorophenol       120       U         85-01-8Phenanthrene       48       U         120-12-7Anthracene       48       U         85-74-8Carbazole       48       U         84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8	534-52-1	-4,6-Dinitro-2-methylphenol		120	υR
118-74-1Hexachlorobenzene	86-30-6	-N-nitrosodiphenylamine		48	ַ ע
118-74-1Hexachlorobenzene	101-55-3	-4-Bromophenyl phenyl ether		48	ַ
87-86-5Pentachlorophenol       120       U         85-01-8Phenanthrene       48       U         120-12-7Anthracene       48       U         86-74-8Carbazole       48       U         84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0	108-74-1	-Hexachlorobenzene		48	ט
85-01-8Phenanthrene       48       U         120-12-7Anthracene       48       U         85-74-8Phenanthracene       48       U         84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2				48	U
120-12-7Anthracene       48       U         86-74-8Carbazole       48       U         84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	87-86-5	-Pentachlorophenol		120	U
86-74-8Carbazole       48       U         84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8				48	U
84-74-2Di-n-butyl phthalate       48       U         206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3				48	ט
206-44-0Fluoranthene       48       U         129-00-0Pyrene       48       U         85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9	86-74-8	-Carbazole		48	ט
129-00-0				48	ט
85-68-7Butyl benzyl phthalate       48       U         91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U				48	υ
91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U				48	ט
91-94-13,3'-Dichlorobenzidine       48       U         55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	85-68-7	-Butyl benzyl phthalate		48	U
55-55-3Benzo (a) anthracene       48       U         218-01-9Chrysene       48       U         117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	91-94-1	-3,3'-Dichlorobenzidine		48	ט ו
117-81-7Bis (2-ethylhexyl) phthalate       48       U         117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	55-55-3	-Benzo (a) anthracene		48	υ
117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U				48	U
117-84-0Di-n-octyl phthalate       48       U         205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	117-81-7 <b>-</b>	-Bis(2-ethylhexyl) phthalate		48	บ
205-99-2Benzo (b) fluoranthene       48       U         207-08-9Benzo (k) fluoranthene       48       U         50-32-8Benzo (a) pyrene       48       U	117-84-0	-Di-n-octyl phthalate			1 "
207-08-9Benzo (k) fluoranthene 48 U 50-32-8Benzo (a) pyrene 48 U	205-99-2	-Benzo (b) fluoranthene			1 - 1
5D-32-8Benzo (a) pyrene 48 U	207-08-9	-Benzo(k)fluoranthene			
193-39-5Trideno (1, 2, 3-od) numerie	50-32-8	-Benzo (a) pyrene			7 1
	193-39-5	-Indeno (1,2,3-cd) pyrene	·····	48	บ
53-70-3Dibenzo (a, h) anthracene 48 U	53-70-3	-Dibenzo (a, h) anthracene			! - I

			SW-16
Lab Name:	STL Buffalo Contract:		
Lab Code: ;	RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (s	oil/water) <u>WATER</u>	Lab Sample ID:	A5C06207_
Sample wt/	vol: <u>1050.0</u> (g/mL) <u>ML</u>	Lab File ID:	V12267 .RR
Level: (	low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrat	ed Extract Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injection	Volume: 2.00 (uL)	Dilution Factor:	5.00
GPC Cleanu	p: (Y/N) N pH: <u>6.0</u>		•
C	AS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>[</u>	<u>rg/l</u> Q
ī	91-24-2Benzo(ghi)perylene		48 U

#### ASP 2000 - MEIHOD 8270 SEVIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

|--|

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_\_

Lab Sample ID: A5C06207

Matrix: (soil/water) WATER

Lab File ID: V12267.RR

Sample wt/vol: <u>1050.0</u> (g/mL) <u>ML</u>

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: \_\_\_\_\_ decanted: (Y/N) N

Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/02/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: \_\_4

CONCENTRATION UNITS:

(ug/L or ug/Kg)

<u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 111-76-2 3. 111-06-8 4. 123-95-5	UNKNOWN 2-BUTOXYETHANOL HEXADECANOIC ACID, BUTYL ESTR OCTADECANOIC ACID, BUTYL ESTR	3.31 5.35 14.77 15.42	<del></del>	J JN JN JN

Lab Name:	STL Buffalo	· Cor	ntract:		SW-17
		_	SAS No.:		
Matrix: (s	oil/water)	WATER		Lab Sample ID:	<u>A5C06208</u>
Sample wt/	vol:	1045.0 (g/mL) <u>ML</u>		Lab File ID:	V12268.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	<b>:</b>	decanted: (Y/N)	Й	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection	Volume:	2,00 (uL)		Dilution Factor:	5.00
GPC Clean	p: (Y/N) <u>N</u>	<u>р</u> н: <u>6.0</u>			•

<u> </u>	CONCENTRATION		
COMPOUND	(ug/L or ug/	Kg) <u>UG/L</u>	. Q
100-52-7Benzaldehyde		48	U
108-95-2Phenol		48	บ
111-44-4Bis(2-chloro	ethyl) ether	48	บ
\$5-57-82-Chloropheng	ol	48	ប
\$5-48-72-Methylphenc	ol	48	Ū
108-60-12,2'-Oxybis(	1-Chloropropane)	48	ប
\$8-86-2Acetophenone		48	U
106-44-54-Methylphen	ol	48	Ū
621-64-7N-Nitroso-Di-	-n-propylamine	48	บ
67-72-1Hexachloroeth	nane	48	Ū
\$8-95-3Nitrobenzene		48	U
78-59-1Isophorone		48	U
\$8-75-52-Nitrophenol		48	ប៊
105-67-92,4-Dimethylr		48	บั
111-91-1Bis (2-chloroe		48	ប៊
120-83-22,4-Dichlorop		48	Ū
91-20-3Naphthalene		48	υ
106-47-84-Chloroanili	ine	48	Ŭ
\$7-68-3Hexachlorobut	adiene	48	Ū
105-60-2Caprolactam		48	Ŭ
\$9-50-74-Chloro-3-me	ethvlphenol	48	Ū
\$1-57-62-Methylnapht	thalene	48	ΰ
77-47-4Hexachlorocyc	lopentadiene	120	Ü
88-06-22,4,6-Trichlo	prophenol	48	Ū
95-95-42,4,5-Trichlo	prophenol	48	Ū
92-52-4Biphenyl		48	U I
91-58-72-Chloronapht	halene	48	U
88-74-42-Nitroanilin		120	Ü
131-11-3Dimethyl phth		48	U
208-96-8Acenaphthylen	10	48	ון
606-20-22,6-Dinitroto		48	1
99-09-23-Nitroanilin		48 120	U
J- V- Z J- NICLOGHIIIII		120	ا

Lab Name: <u>S</u>	IL Buffal	<u>o</u> Co	ntract:		SW-17
Lab Code: RI	ECNY C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soi	il/water)	WATER		Lab Sample ID:	<u>A5C06208</u>
Sample wt/vo	<b>:</b>	<u>1045.0</u> (g/mL) <u>M</u> L	ı	Lab File ID:	V12268.RR
Level: (lo	ow/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/N)	N	Date Extracted:	10/27/2005
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection Vo	olume:	_2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup:	(Y/N)	N DH 6.0			

CAS	NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		ug/L	Q
83-	32-9	-Acenaphthene			48	U
51-	28-5	-2,4-Dinitrophenol			120	U
		-4-Nitrophenol			120	U
		-Dibenzofuran	·		48	U
121	-14-2	-2,4-Dinitrotoluene			48	U
84	66-2	-Diethyl phthalate			48	U
1700	5-72-3	-4-Chlorophenyl phenyl ether			48	U
	73-7				48	ַ
		-4-Nitroaniline			120	ע
		-4,6-Dinitro-2-methylphenol			120	UR
86-	30-6	-N-nitrosodiphenylamine			48	ַ ט
101	55-3	-4-Bromophenyl phenyl ether			48	ט
		-Hexachlorobenzene			48	U
1 1	2-24-9	· · · · · · · · · · · · · · · · · · ·		•	48	ט
		-Pentachlorophenol			120	U
		-Phenanthrene			48	U
		-Anthracene			48	ט
	74-8				48	ប
		-Di-n-butyl phthalate			48	ן ט
		Fluoranthene			1	J
	-00-0				48	ט
85+	68-7	Butyl benzyl phthalate			48	ע
91	94-1	-3,3'-Dichlorobenzidine			48	ן ט
56-	55-3	-Benzo (a) anthracene			48	ן טן
218	-01-9	-Chrysene			48	[ט
117	-81-7	Bis(2-ethylhexyl) phthalate			48	ט
117	-84-0	Di-n-octyl phthalate			48	ן ט
205	-99-2	Benzo (b) fluoranthene			48	ן ט
207	-08-9	Benzo(k) fluoranthene			48	ט
		Benzo (a) pyrene			48	ט
193	-39-5 <b></b> -	Indeno (1, 2, 3-cd) pyrene			48	ט ו
53-	70-3	Dibenzo (a, h) anthracene			48	บ

Tala Mana	Curr D. S.S.	5		٠	SW-17	
Lab Name:	SIL BUITA	<u>llo</u> Con	ntract:	+constants/	1	
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	_	
Matrix: (	soil/water	) <u>water</u>		Lab Sample ID:	A5C06208	_
Sample wt	/vol:	<u>1045.0</u> (g/mL) <u>ML</u>	•	Lab File ID:	V12268.RR	<u>.</u>
Level:	(low/med)	TOM		Date Samp/Recv	: 10/25/200	5 10/26/2005
% Moistur	e:	decanted: (Y/N)	$\vec{n}$	Date Extracted	l: <u>10/27/200</u>	<u>5</u>
Concentra	ted Extrac	t Volume: 1000 (uL)		Date Analyzed:	11/02/200	<u>5</u>
Injection	Volume:			Dilution Facto	r: <u>5.00</u>	
GPC Clean	up: (Y/N)	<u>N</u> pH: <u>6.0</u>		•		
(	CAS NO.	COMPOUND		ONCENIRATION UNIT (ug/L or ug/Kg)		Q
	191-24-2	Benzo (ghi) pery	lene		48	ט

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name:	STL Buffal	. <u>o</u>	Contract:		SW-17
Lab Code:	<u>recny</u> c	ase No.:	SAS No.:	SDG No.:	
Matrix: (s	oil/water)	WATER		Lab Sample ID:	A5C06208
Sample wt,	vol:	<u>1045.0</u> (g/mL)	ML	Lab File ID:	<u>V12268.RR</u>
Level:	(low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture	<b></b>	decanted: (Y/	N) <u>N</u>	Date Extracted:	10/27/2005
Concentrat	ed Extract	Volume: <u>1000</u>	(uL)	Date Analyzed:	11/02/2005
Injection	Volume:	2.00 (uL)		Dilution Factor:	5.00
GPC Clean	p: (Y/N)	<u>N</u> pH:	6.0		
Number TI	Cs found: _	4		CONCENIRATION UNIT (ug/L or ug/Kg)	

	CAS NO.	Compound Name	RT	Est. Conc.	Q
:	1. 2. 3. 4.	UNKNOWN UNKNOWN UNKNOWN UNKNOWN	9.80 13.02 15.03 15.06	15 12 11 23	ე ე ე

[ah Name: S]	T. Buffalo	Con	tract:	•	SW-18
100 100 10 10 10 10 10 10 10 10 10 10 10	Barraro		CIQCC:		
Lab Code: <u>RE</u>	<u>NY</u> Case N	b.:	SAS No.:	SDG No.:	
Matrix: (soi	l/water) <u>WATE</u>	R		Lab Sample ID:	A5C06209
Sample wt/vo	105 <u>5</u>	.0 (g/mL) <u>ML</u>		Lab File ID:	V12269.RR
Level: (lo	w/med) <u>LOW</u>			Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:	deca	nted: (Y/N)	<u>N</u>	Date Extracted:	10/27/2005
Concentrated	Extract Volu	me: <u>1000</u> (uL)		Date Analyzed:	11/02/2005
Injection Vo	lume: 2.00	(uL)		Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>N</u> p	H: <u>6.0</u>			

~~ ~			CONCENTRATION		1-	
CAS	NO.	COMPOUND	(ug/L or ug/l	(g) <u>I</u>	JG/L	Q
100	-52-7	-Benzaldehyde			9	U
	-95-2				9	ט ו
111	-44-4	-Bis(2-chloroethyl) ether	····· <u>···</u>		9	ן ע
		-2-Chlorophenol			9	ן ח
		-2-Methylphenol	····		9	ן ט
		-2,2'-Oxybis(1-Chloropropane)			9	ט
		-Acetophenone			9	ับ
		-4-Methylphenol			9	ן ט
621	-64-7	-N-Nitroso-Di-n-propylamine			9	ט
		-Hexachloroethane			9	U
98-	95-3	-Nitrobenzene			9	ט
78-	59-1	-Isophorone			9	U
88	75-5	-2-Nitrophenol			9	ט
105	-67-9	-2,4-Dimethylphenol			9	ט
111	-91-1	-Bis(2-chloroethoxy) methane	······································		9	ן ט
120	-83-2	-2,4-Dichlorophenol			9	ע
91	20-3	-Naphthalene			9	U
106	-47-8	-4-Chloroaniline			9	U
87-	68-3	-Hexachlorobutadiene			9	ן י ט
		-Caprolactam			9	ן ט
59-	50-7	-4-Chloro-3-methylphenol			9	ן ט
91+	57-6 <b></b>	-2-Methylnaphthalene			9	ן ט
77+	47-4	-Hexachlorocyclopentadiene			24	U
88	06-2	-2,4,6-Trichlorophenol			9	ן ט
95+	95-4	-2,4,5-Trichlorophenol			9	ן ט
	52-4				9	บ
91+	58-7	-2-Chloronaphthalene			9	ט
88+	74-4	-2-Nitroaniline			24	U
131	-11-3	-Dimethyl phthalate			9	υ
208	<b>-</b> 96-8 <b></b>	-Acenaphthylene			9	U
		-2,6-Dinitrotoluene			9	ប
99-0	09-2	-3-Nitroaniline			24	ט [
L.						1 1

Lab Name: <u>ST</u>	T. Buffal	<u> </u>	Contract:	•	SW-18
<u> </u>	- Larran	Ž (	whiteut.		
Lab Code: <u>RE</u>	ф <u>их</u> с	ase No.:	SAS No.:	SDG No.:	
Matrix: (soi	/water)	WATER		Lab Sample ID:	A5C06209
Sample wt/vo	<u> </u>	1055.0 (g/mL) M	MI.	Lab File ID:	V12269.RR
Level: (lo	w/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/N	<u>v</u> ) <u>Й</u>	Date Extracted:	10/27/2005
Concentrated	Extract	Volume: 1000 (uI	<b>.</b>	Date Analyzed:	11/02/2005
Injection Vo	Lume:	2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup:	(Y/N) )	V. 9.40 V			

 1-//	±2 F		
		CONCENTRATION UNITS:	

CAS	NO.	COMPOUND	(ug/L or ug/i	Kg) <u>I</u>	G/L	Q
		-Acenaphthene			9	U
51-	28-5	-2,4-Dinitrophenol		 	24	บ
100	-02-7	-4-Nitrophenol		1	24	ΰ
132	-64-9	-Dibenzofuran			9	U
		-2,4-Dinitrotoluene			9	υ
		-Diethyl phthalate			9	υ
70q	5-72 <b>-</b> 3	-4-Chlorophenyl phenyl ether			9	U
	73-7				9	U
		-4-Nitroaniline			24	U
534	-52-1	-4,6-Dinitro-2-methylphenol			24	UR
86-	30-6	-N-nitrosodiphenylamine			9	U
101	-55-3	-4-Bromophenyl phenyl ether			9	U
		-Hexachlorobenzene			9	U
1	2-24-9				9	U
87-	86-5- <b></b>	-Pentachlorophenol			24	U
		-Phenanthrene			9	U
		-Anthracene			9	υ
4 1	74-8				9	U
		-Di-n-butyl phthalate			9	ט
		Fluoranthene			9	ប
129	-00-0	-Pyrene			9	U
85+6	58-7- <b></b>	Butyl benzyl phthalate			9	U
91+	94-1 <b></b>	3,3'-Dichlorobenzidine			9	U
56+5	55-3	Benzo (a) anthracene			9	U
218-	-01-9	Chrysene			9	U
117-	-81-7	Bis(2-ethylhexyl) phthalate			9	ប
		Di-n-octyl phthalate			9	ប
		Benzo (b) fluoranthene			9	ប
		Benzo(k) fluoranthene			9	U
50 3	32-8	Benzo (a) pyrene			9	บ
		Indeno (1,2,3-cd) pyrene			9	U
53 <del> </del> 7	70-3 <b>-</b>	Dibenzo (a, h) anthracene				U
4						

# ASP 2000 - METHOD 8270 SENTVOLATILES ANALYSIS DATA SHEET

Client No.

ו לכו	OF Diffice Continues.		SW-18
ran Malie	:: SIL Buffalo Contract:	*dian*alama	
Lab Cod	e: RECNY Case No.: SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>WATER</u>	Lab Sample ID:	A5C06209
Sample v	rt/vol: <u>1055.0</u> (g/mL) <u>ML</u>	Lab File ID:	V12269.RR
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moist	re: decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentr	ated Extract Volume: 1000(uL)	Date Analyzed:	11/02/2005
Injection	n Volume: 2.00(uL)	Dilution Factor:	1.00
GPC Clea	rup: (Y/N) N pH: 6.0		
	CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>[</u>	<u>IG/L</u> Q
	191-24-2Benzo(ghi)perylene_		9 U

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

	SW-18				
--	-------	--	--	--	--

Lab Name: SI	Buffalo	<u>o</u>	ontract:	-	
lab Code: RE	NY C	ase No.:	SAS No.:	SDG No.:	
Vatrix: (soi	/water)	WATER		Lab Sample ID:	A5C06209
Sample wt/voi	:	1055.0 (g/mL) N	<u>IL</u>	Lab File ID:	V12269.RR
Level: (lo	v/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

Number TICs found: 16 (ug/L or ug/Kg) UG/L

,					
	CAS NO.	Compound Name	RT	Est. Conc.	Q
1 2 3	. 111-76-2 . 90-43-7	2-BUIOXYEIHANOL O-HYDROXYBIPHENYL UNKNOWN PHIHALATE DER.	5.33 11.45 13.50	7 2 2	NU NC U
5	•	UNKNOWN UNKNOWN	13.56 14.34	4 2	J
7	. 544-63 <b>-</b> 8	UNKNOWN TETRADECANOIC ACID UNKNOWN ACID	14.37 14.69 15.03	5 2 13	JN J
9. 10.	•	UNKNOWN ACID DIACETOMYRISTIN ISOMER	15.06 15.63	24 5	J J
11. 12. 13.	. 55268-69-4 . 55268-70-7	DIACETOMYRISTIN ISOMER HEXADECANOIC ACID, 2- (ACETYLO HEXADECANOIC ACID, 2, 3-BIS (AC	15.65 16.18 16.20	11 3 6	J JN JN
14. 15.		UNKNOWN UNKNOWN	16.55 16.73	3	J J
16.	55268-70-7	OCTADECANOIC ACID, 2- (ACETYLO	16.75	7 ·	JN

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>ST</u>	T. Buffalo	n Cr	ontract:		SW-19	
160 Wale. <u>01.</u>	<u> Durran</u>	ي د	nictace;	normal de la companya		
Lab Code: <u>RB</u>	dn⊼ C	ase No.:	SAS No.:	SDG No.:		
Matrix: (soi	/water)	WATER		Lab Sample ID:	A5C06210	
Sample wt/vo	<b>:</b>	1000.0 (g/mL) MI	ب	Lab File ID:	V12270.RR	
Level: (lo	w/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/200	<u>05</u>
% Moisture:		decanted: (Y/N)	<u>N</u>	Date Extracted:	10/27/2005	
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005	
Injection Vo	lume:	2.00 (uL)		Dilution Factor:	1.00	
GPC Cleanup:	(Y/N) <u>1</u>	M pH: 6.0	•			

CONCENTRATION UNITS:

CAS	NO.	COMPOUND	(ug/L or ug/l	(g)	UG/L	Q
100	-52-7	-Benzaldehyde			10	U
	-95-2 <b>-</b>				10	ט
111	-44-4	-Bis(2-chloroethyl) ether			10	U
95-	57-8	-2-Chlorophenol			10	U
95-	48-7	-2-Methylphenol			10	U
108	-60-1	-2,2'-Oxybis(1-Chloropropane)			10	ט
		-Acetophenone			10	U
		-4-Methylphenol			10	ן טן
621	-64-7	-N-Nitroso-Di-n-propylamine			10	ט ו
		-Hexachloroethane			10	ט
98-	95-3	-Nitrobenzene		i	10	ט
		-Isophorone			10	ט
		-2-Nitrophenol			10	[U
10\$	-67-9	-2,4-Dimethylphenol			10	U
		-Bis(2-chloroethoxy) methane			10	ט
		-2,4-Dichlorophenol			10	U
		-Naphthalene			10	U
		-4-Chloroaniline			10	ט
		-Hexachlorobutadiene		•	10	ן ט
		-Caprolactam			10	ט
59+!	5 <b>0-7</b> -	-4-Chloro-3-methylphenol			10	U
91+	57-6	-2-Methylnaphthalene			10	ן טן
77-4	47-4	-Hexachlorocyclopentadiene			25	ן ט
		-2,4,6-Trichlorophenol			10	ט
		-2,4,5-Trichlorophenol			10	ט
	52-4				10	ט
		-2-Chloronaphthalene			10	ט
		-2-Nitroaniline			25	Ū
		Dimethyl phthalate			10	U
		-Acenaphthylene			10	ט
		2,6-Dinitrotoluene			10	ט
99-0	)9-2	3-Nitroaniline			25	ע
L						<i>i</i> [

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

I ale Name : Call Diffe			SW-19
Lab Name: STI Buffa	<u>lo</u> Contract:	<del></del>	And the second s
Lab Code: <u>REINY</u>	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water	r) <u>WATER</u>	Lab Sample ID:	A5C06210
Sample wt/vol:	<u>1000.0</u> (g/mL) <u>ML</u>	Lab File ID:	V12270.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extrac	t Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 6.0

	ļ		CONCENTRATION		<b>;</b>	
CAS	NO.	COMPOUND	(ug/L or ug/I	(g)	UG/L	Q
83-	ј 32-9	-Acenaphthene			10	ט
51-	28-5	-2,4-Dinitrophenol			25	שׁ
		-4-Nitrophenol			25	υ
132	-64-9	-Dibenzofuran			10	U
		-2,4-Dinitrotoluene	<u> </u>	-	10	U
84-	66-2	-Diethyl phthalate			10	U
700	5-72-3	-4-Chlorophenyl phenyl ether			10	U
	73-7				10	U
		-4-Nitroaniline		i	25	U
534	-52-1	-4,6-Dinitro-2-methylphenol			25	UR
		-N-nitrosodiphenylamine			10	U
		-4-Bromophenyl phenyl ether			10	U
		-Hexachlorobenzene			10	ប
	2 <b>-</b> 24-9				10	ט
		-Pentachlorophenol			25	ט
		-Phenanthrene		-	10	U
		-Anthracene			10	ט
	74-8				10	U
84-	74-2	-Di-n-butyl phthalate			-10	ע
		-Fluoranthene			10	ប
	-00-0				10	U
85-6	68-7	-Butyl benzyl phthalate			10	ប
91-9	94-1	-3,3'-Dichlorobenzidine			10	lυ
56-5	55-3 <b></b>	-Benzo (a) anthracene			10	บ
218	-01-9	-Chrysene			10	บ
1117-	-81-7	-Bis(2-ethylhexyl) phthalate	· · · · · · · · · · · · · · · · · · ·		10	ט
117-	-84-0	-Di-n-octyl phthalate			10	ט
205-	-99-2	-Benzo (b) fluoranthene			10	บ
		-Benzo(k) fluoranthene			10	lΰ
		-Benzo (a) pyrene			10	U
		-Indeno (1, 2, 3-cd) pyrene			10	ט
		-Dibenzo (a, h) anthracene			10	U
1 [		<del></del>				1

### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

(.ah Mama.	CTT. Daff	alo	Continant.			SW	-19		
COD Name:	DIM DUITO	21 <u>0</u>	WILLIACL:	·			***		
Lab Code:	REYNY	Case No.:	SAS No.: _	SD	G No.:	<del></del>			
Matrix: (	(soi/wate	r) <u>WATER</u>		Lab	Sample ID	: <u>A5C</u>	06210_		
Sample wt	/vol:	<u>1000.0</u> (g/mL)	ML	Lab	File ID:	<u>V12:</u>	270.RR		
Level:	(low/med)	<u>LOW</u>		Date	e Samp/Rec	v: <u>10/</u> 2	25/2005	10/26	/2005
% Moistur	re:	decanted: (Y,	/n) <u>n</u>	Date	e Extracteo	d: <u>10/</u> 2	27/2005		
Concentra	ted Extra	ct Volume: 1000(ı	ıL)	Date	e Analyzed	: 11/0	02/2005		
Injection	volume:	2.00 (uL)		Dil	ution Facto	or:	1.00		
GPC Clean	rup: (Y/N)	N pH: 6.0							
	CAS NO.	COMPOUND			RATION UNIT or ug/Kg)			Q	
	191-24-2	Benzo(ghi)pe	erylene			- 10	ט		

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name:	SIL Buffalo	Contract:		SW-19	·	
Lab Code:	RECNY Case No	.: SAS No.:	SDG No.:			
Matrix: (s	soil/water) <u>WATER</u>		Lab Samp	le ID: <u>A5C062</u>	10_	
Sample wt/	/vol: 1000.	0 (g/mL) <u>M</u> L	Lab File	ID: <u>V12270</u>	.RR	<del>-</del>
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/25/</u>	<u> 2005 10</u>	/26/2005
% Moisture	e: decan	ted: (Y/N) N	Date Ext	racted: <u>10/27/</u>	2005	
Concentrat	ed Extract Volum	e: <u>1000</u> (uL)	Date Ana	lyzed: <u>11/02/</u>	2005	
Injection	Volume: 2.00	(uL)	Dilution	Factor: 1.	00	
GPC Cleam	ъ: (Y/N) <u>й</u>	рН: <u>6.0</u>			٠	
Number TIC	Is found: 2		CONCENTRATE (ug/L or )	ION UNITS: ug/Kg) <u>UG/L</u>	_	-
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1 2	•	UNKNOWN UNKNOWN PHIHALATE DER.	9.80 13.50	2 2	J

#### ASP 2000 - METHOD 8270 SENTVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>ST</u>	Duffalo	o Com	ntract:		SW-19A
Let Marie: 511	Buran	<u>.</u>	IL10CL;		
Lab Code: <u>REC</u>	NY C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil	/water)	WATER		Lab Sample ID:	A5C06211
Sample wt/vol	:	1020.0 (g/mL) ML		Lab File ID:	V12273.RR
Level: (low	r/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:		decanted: (Y/N)	Й	Date Extracted:	10/27/2005
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection Vo	.ume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 6.0

<b>~</b>	<del>-</del>	ONCENTRATION UN		_
CAS	NO. COMPOUND	(ug/L or ug/Kg)	<u>ug/L</u>	Q
100	-52-7Benzaldehyde		10	U
1 1	-95-2Phenol		10	ี้ ปี
111	-44-4Bis(2-chloroethyl) ether		10	ט
	57-82-Chlorophenol		10	ט
95-	48-72-Methylphenol		10	ן ט
108	-60-12,2'-Oxybis(1-Chloropropane)		10	ប
	B6-2Acetophenone		10	U
106	-44-54-Methylphenol		10	שׁוֹ
621	-64-7N-Nitroso-Di-n-propylamine		10	U
67-	72-1Hexachloroethane		10	U
	95-3Nitrobenzene		10	U
78-	59-1Isophorone		10	ט
88-7	75-52-Nitrophenol		10	ט
	-67-92,4-Dimethylphenol		10	ע
111	-91-1Bis(2-chloroethoxy) methane		10	U
120-	-83-22,4-Dichlorophenol		10	ט ו
91-2	20-3Naphthalene		10	ט
106-	-47-84-Chloroaniline		10	U I
	58-3Hexachlorobutadiene		10	ן ט
	-60-2Caprolactam		10	ט
59+5	50-74-Chloro-3-methylphenol		10	ט
91+5	57-62-Methylnaphthalene		10	บ
	17-4Hexachlorocyclopentadiene		24	U
	06-22,4,6-Trichlorophenol		10	ן ט
95+9	95-42,4,5-Trichlorophenol		10	ע
	52-4Biphenyl		10	ע
	58-72-Chloronaphthalene		10	U
1	74-42-Nitroaniline		24	ט
131-	-11-3Dimethyl phthalate		10	ט
208-	-96-8Acenaphthylene		10	U
	-20-22,6-Dinitrotoluene		10	ט
99-0	9-23-Nitroaniline		24	ע ו
		1		4

## ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STI	L Buffalo	o (1	ontract:		SW-19A
		_	SAS No.:	<del></del>	
Matrix: (soil	l/water)	WATER		Lab Sample ID:	A5C06211
Sample wt/vol	1:	1020.0 (g/mL) M	$ar{\Gamma}$	Lab File ID:	<u>V12273.RR</u>
Level: (low	w/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: _		decanted: (Y/N	) <u>й</u>	Date Extracted:	10/27/2005
Concentrated	Extract	Volume: 1000 (uL)	)	Date Analyzed:	11/02/2005
Injection Vol	ume:	2,00 (uL)		Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>I</u>	y pH: 6.0			•

CONCENTRATION UNITS:

רייא ריי	NO.	CYC4 (TC/C) TA TC .	CONCENTRATION			
CAS	100.	COMPOUND	(ug/L or ug/K	g)	UG/L	Q
83~	B2-9	-Acenaphthene			10	U
		-2,4-Dinitrophenol			24	Ū
		-4-Nitrophenol			24	יט
		-Dibenzofuran			10	Ū
121	-14-2	-2,4-Dinitrotoluene			10	ט
84-	66-2	-Diethyl phthalate	<del></del> )		10	ט
700	5-72-3	-4-Chlorophenyl phenyl ether			10	Ü
86-	73-7	-Fluorene			10	บ
100-	-01-6	-4-Nitroaniline			24	Ū
		-4,6-Dinitro-2-methylphenol			24	UR
		-N-nitrosodiphenylamine			10	ָׁט <sup>י</sup>
		-4-Bromophenyl phenyl ether			10	บ
118-	-74-1	-Hexachlorobenzene	<u>-</u> j		10	ט
	2-24-9				10	ן ט
87-8	36-5	-Pentachlorophenol			24	ט
		-Phenanthrene			10	Ū
		-Anthracene			10	ט
86-7	74-8	-Carbazole			10	U
84+7	74-2	-Di-n-butyl phthalate			10	ן ען
206-	-44-0	-Fluoranthene			10	บ
	-00-0				10	บ
		Butyl benzyl phthalate			10	U I
		-3,3'-Dichlorobenzidine			10	U
		Benzo (a) anthracene			10	U
	01-9				10	U I
		·Bis(2-ethylhexyl) phthalate			10	ט
117-	84-0	Di-n-octyl phthalate			10	ט
205-	99-2	Benzo (b) fluoranthene			10	ט
		Benzo(k) fluoranthene			10	ט
		Benzo (a) pyrene			10	ט
		Indeno (1,2,3-cd) pyrene			10	ט
53-7	 '0-3	Dibenzo (a, h) anthracene			10	ם

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

r b - 37	CVT III	D. EE-1	- 0		·		SW-19A		į
Lad Name:	: <u>SII</u>	TRILISTO	ල රත	ntract:	<del></del>		<del></del>		
Lab Code:	REX	NY C	ase No.:	SAS No.:	SDG No.:	<del></del>			
Matrix: (	(soil	/water)	WATER		Lab Sample	e ID:	A5C06211	_	
Sample wt	:/vol		1020.0 (g/mL) ML		Lab File I	D:	V12273.RF	₹	
Level:	(low	/med)	TOM		Date Samp/	Recv:	10/25/200	<u>)5 10/2</u>	26/2005
% Moistur	æ:_		decanted: (Y/N)	N	Date Extra	cted:	10/27/200	<u>)5</u>	
Concentra	ated	Extract	Volume: 1000 (uL)		Date Analy	zed:	11/02/200	<u>)5</u>	
Injection	ı Vol	ume:	2,00 (uL)		Dilution F	actor:	1.00		
GPC Clear	up:	(Y/N) <u>I</u>	M pH: <u>6.0</u>						
	CAS	NO.	COMPOUND	C	ONCENIRATION (ug/L or ug/k		G/L	Q	
	191	24-2	Benzo(ghi)pery	lene			10	υ	

## ASP 2000 - METHOD 8270 SENTVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name	: STL Buffalo	Contract:		SW-19A
Lab Code	: RECNY C	ase No.:	SDG No.:	
Matrix:	(soil/water)	WATER	Lab Sample ID:	A5C06211
Sample w	t/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File ID:	<u>V12273.RR</u>
Level:	(low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moistu	re:	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentr	ated Extract	Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injectio	n Volume:	2.00 (uL)	Dilution Factor:	1.00

Number TICs found: 17

GPC Cleanup:

(Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO. RTCompound Name Est. Conc. Q UNKNOWN PHIHALATE 13.50 3 J 2. 20170-32-5 3,5-DI-TERT-BUTYL-4-HYDROXYP 14.03 2 JN UNKNOWN ACID 3. 14.62 4 J 4. 57-11-4 OCTADECANOIC ACID 14.69 4 JN 5. 111-06-8 HEXADECANOIC ACID, BUTYL ESTR 14.78 47 NC 6. 123-95-5 OCTADECANOIC ACID, BUTYL ESTR 15.42 43 JN 7. UNKNOWN 16.56 2 J 8. UNKNOWN 18.38 2 J 9. 83-46-5 .BETA.-SITOSTEROL 8 18.67 JN 10. UNKNOWN 18.84 4 IJ 11. 559-70-6 .BETA.AMYRIN 19.00 10 JN UNKNOWN 3 19.10 J 13. 638-95-9 .ALPHA.AMYRIN 19.28 12 JN 14. UNKNOWN 7 19.36 IJ 15. UNKNOWN 19.39 J 4 16. UNKNOWN 19.60 5 J 17. 559-74-0 FRIEDELAN-3-ONE 20.14 10 JN

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
SW-10		•	•
ψ1, ±0			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562243

Level (low/med):

LOW

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	28.2	++	<i>-</i>	P
7440-70-2	Calcium	135000	1		P
7440-47-3	Chromium	37.1		_	P
7439-92-1	Lead	104			P
7439-95-4	Magnesium	20000			P
7440-02-0	Nickel	17.6	B		P
7440-66-6	Zinc	848	] ]		P

Color Befor	e: COLORLE	ESS Clarity	Before: CLEAR	Texture	: NONE
Color After	: COLORLI	ESS Clarity	After: CLEAR	Artifac	ts:
Comments:					
				*	

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO
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SW-11	

Contract:

CN04-015

Lab Code:

stlbflo

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562244

Level (low/med):

LOW

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	83.9	-		P
7440-70-2	Calcium	341000			P
7440-47-3	Chromium	154			P
7439-92-1	Lead	675			P
7439-95-4	Magnesium	59100			P
7440-02-0	Nickel	83.2			P
7440-66-6	Zinc	3500			P

Color Before	⊇:	BROWN	Clarity Before:	CLOUDY	Texture:	NONE
Color After	:	YELLOW	Clarity After:	CLOUDY	Artifacts:	
Comments:	_					
					•	

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#### INORGANIC ANALYSIS DATA SHEET

Samethe	NO.
SW-12	

Contract: CN

CN 04-015

Lab Code:

SILBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562245

Level (low/med):

\_

LOW

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	4.3	В		P
7440-70-2	Calcium	146000	1 1		P
7440-47-3	Chromium	0.78	В		P
7439-92-1	Lead	1.8	ן טן		P
7439-95-4	Magnesium	24700			P
7440-02-0	Nickel	4.9	B		P
7440-66-6	Zinc	157	T	······································	P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
.   -					

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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SW-13		
1		
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Contract:

CN04-015

Lab Code: STL

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562246

Level (low/med):

LOW

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	C	Ď	М
7440-43-9	Cadmium	1,4	В		P
7440-70-2	Calcium	88100			P
7440-47-3	Chromium	4.9	В		P
7439-92-1	Lead	6.4			P
7439-95-4	Magnesium	16100			P
7440-02-0	Nickel	5.2	B		P
7440-66-6	Zinc	50.0	1		P

Color Before	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
	· · · · · · · · · · · · · · · · · · ·	<del></del>			

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#### INORGANIC ANALYSIS DATA SHEET

	SEMPLE	NO.		
			W. W. P. P. P. P. P. P. P. P. P. P. P. P. P.	
6	W-14			
	)			

Contract	

CND4-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562247

Level (low/med):

TOM

Date Received:

10/26/2005

UG/L

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	3,1	В		P
7440-70-2	Calcium	87400	1		P
7440-47-3	Chromium	11.1	1 1		P
7439-92-1	Lead	13.6	1 1		P
7439-95-4	Magnesium	16500	1 1		₽
7440-02-0	Nickel	9.3	В		P
7440-66-6	Zinc	102	ĪĪ		P

Color Befor	e: COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After	: COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	Ю
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SW-1	L5		

CND4-015 Contract:

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562248

Level (low/med):

LOW

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	0.42	В		P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	54.0			P
7439-92-1	Lead	6.2			P
7439-95-4	Magnesium	27200	1		P
7440-02-0	Nickel	30.1	B		P
7440-66-6	Zinc	44.9	II		P

Color Befor	e: COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After	: COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
<del> </del>		 	
SW-16			

Contract: CN 04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

LOW

Lab Sample ID:

AD562249

Level (low/med):

Date Received:

10/26/2005

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	6.3			P
7440-70-2	Calcium	119000	<u> </u>		P
7440-47-3	Chromium	332	1 1		P
7439-92-1	Lead	44.2	Π		P
7439-95-4	Magnesium	39500			P
7440-02-0	Nickel	166			P
7440-66-6	Zinc	329			P

Color Befor	e:	BROWN	Clarity Before:	CLOUDY	Texture:	NONE
Color After	;	YELLOW	Clarity After:	CTONDA	Artifacts:	
Comments:						
						•

			J	INORGANIC ANALYSIS DATA SHEET	Sample	NO.
Contract: (	CN04-015				SW-17	
Lab Code:	STLBFLO	Case	No.:	SAS No.:	SDG NO.:	A05-C062
Matrix (soil	/water):	WATER		Lab Sample ID:	AD562250	
Level (low/m	ed): LC	W		Date Received:	10/26/2005	

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	10.7			P
7440-70-2	Calcium	82100			P
7440-47-3	Chromium	109	1 1		₽
7439-92-1	Lead	51.0			P
7439-95-4	Magnesium	20400			P
7440-02-0	Nickel	71.2			P
7440-66-6	Zinc	353	Ī		P

Color Bef	re:	BROWN	Clarity Before:	CLOUDY	Texture:	NONE
Color Aft	er:	YELLOW	Clarity After:	CLOUDY	Artifacts:	
Comments:						
			•			

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
SW-18			

Contract:

CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (spil/water):

WATER

Lab Sample ID:

AD562251

Level (low/med):

LOW

Date Received:

10/26/2005

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	М
7440-43-9	Cadmium	0.39	ט	<del></del>	P
7440-70-2	Calcium	100000			P
7440-47-3	Chromium	7.1	В		P
7439-92-1	Lead	1.8	ן ט		P
7439-95-4	Magnesium	21100			P
7440-02-0	Nickel	18.4	В		P
7440-66-6	Zinc	18.0	B		P

Color Be	efore:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color A	fter:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments	· ·					
		•			•	

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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

П		 	
1	~~~ 4.0		
Į	SW-19		
1			
ı			

Contract:

CN 04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-C062

Matrix (soil/water):

: WATER

Lab Sample ID:

AD562252

05-002

Level (low/med):

LOW

Date Received:

10/26/2005

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	118000	<del>     </del>	<del></del>	P
7440-47-3	Chromium	7.6	B		P
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium	24400	T		P
7440-02-0	Nickel	19.9	B		P
7440-66-6	Zinc	27.6	1 1		P

Color Before	: COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:			,		
			· · · · · · · · · · · · · · · · · · ·		

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INORGANIC ANALY	SIS DA	ľΑ	SHEET
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SAMPLE NO.

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C062

Matrix (soil/water):

WATER

Lab Sample ID:

AD562255

Level (low/med):

LOW

Date Received:

10/26/2005

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	М
7440-43-9	Cadmium	0.84	В	<del></del>	P
7440-70-2	Calcium	109000			P
7440-47-3	Chromium	7.5	B		P
7439-92-1	Lead	3.9	1 1		P
7439-95-4	Magnesium	22800.			P
7440-02-0	Nickel	19.7	B		P
7440-66-6	Zinc	34.6	П		P

Color Bef	ore:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color Afte	er:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments						

113/1185

Lab Name:	STL Buffalo		Contract	* *		SW-10	<u> </u>		
Lab Code:	RECNY	Case No.:	SAS No.:SDG No.:						
Matrix (soil/water): WATER Lab Sample ID: A5C06201									
% Solids:	lids: 0.0 Date Samp/Recv:						<u>10</u>	/25/2005 10	/26/2005
	Paramet	ter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Total Rec	overable Pher	nolics	MG/L	0.010	U			420.2	10/27/2005
Comments:									

114/1185

Client Sample No. SW-11 Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): WATER Lab Sample ID: A5C06202 Date Samp/Recv: 10/25/2005 10/26/2005 % Solids: 0.0 Units of Method Analyzed Parameter Name Measure Result c Q M Number Date Total Recoverable Phenolics MG/L 0.010 U 420.2 10/27/2005

115/1185

Tab Name	STL Buffalo		Chntwat				İ	SW-12	
Ten Mane:	SID DULIATO		Contract	•			_		
Lab Code:	RECNY	Case No.:	_ SAS No.	:			i	SDG No.:	
Matrix (s	oil/water): WA	<u>PER</u>		Lab Samp	ple	E ID:	<u>A5</u>	C06203	
% Solids:	_	0.0		Date San	np/	Recv:	<u>10</u>	/25/2005 <u>10</u>	/26/2005
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Re	coverable Phen	olics	MG/L	0.010	บ			420.2	10/27/2005
Comments:							1		

### 116/1185

10/27/2005

420.2

Client Sample No. SW-13 Lab Name: STL Buffalo Contract: \_\_\_\_\_ Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): WATER Lab Sample ID: A5C06204 Date Samp/Recv: 10/25/2005 10/26/2005 % Solids: 0.0 Units of Method Analyzed c Parameter Name Measure Result Q М Number Date

Comments:				
		·		

MG/L

0.010 U

Total Recoverable Phenolics

117/1185

Tah Name	STL Buffalo		Contract	t:				SW-14 	
LAN TRAILE.	DIE PULLATO		WILLIACI	·					
Lab Code:	REXONY Case No.: SAS No.:						5	SDG No.:	
Matrix (soil/water): WATER Lab Sample ID: A5C06205							C06205		
% Solids:	Date Samp/Recv: 1						<u>10,</u>	/25/2005 <u>10</u>	/26/2005
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Rec	overable Phen	olics	MG/L	0.010	υ			420.2	10/27/2005
Comments:			·						
	1								

118/1185

Client	Sample	No.
SW-15		

Lab Name: STL Buffalo Contract:							SW-15				
Ten Marie:	SIL BULLATO		Willact	•		~					
Lab Code: ;	RECNY	Case No.:	\$	SDG No.:							
Matrix (soil/water): WATER Lab Sample ID: As							<u>A50</u>	5C06206			
% Solids:	Solids:										
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total Rec	overable Phen	polics	MG/L	0.010	ט	'		420.2	10/27/2005		
Comments:											
	<del> </del>							······			

119/1185

w 1. sr			g				[	SW-16			
Lab Name:	STL Buffalo		Contract			_	_		-		
Lab Code:	RECNY	Case No.:	SAS No.	:		SDG No.:					
Matrix (sc	ix (soil/water): WATER Lab Sample ID:						<u>A50</u>	45C06207			
% Solids:											
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total Rec	overable Phen	olics	MG/L	0.010	Ū	•		420.2	10/27/2005		
Comments:			•								
	1										

120/1185

	: STL Buffalo Contract:						[	SW-17				
Lab Name:	STL Buffalo		Contract				<b>L</b>					
Lab Code:	RECNY		SDG No.:									
Matrix (s	pil/water): <u>WATER</u>											
% Solids:												
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date			
Total Re	coverable Phen	olics	MG/L	0.010	U			420.2	10/27/2005			
Comments:												
				<del></del>								

121/1185

	1										
- 1. AT			<i>a</i>					SW-18			
Lab Name: 🖺	TL Buffalo		Contract	:	<u></u>		<b>—</b>				
Lab Code: <u>F</u>	ECNY	Y Case No.: SAS No.: SDG No.:									
Matrix (soil/water): WATER Lab Sample ID: A5C06209											
% Solids:											
	Paramet	er Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date		
Total Reco	verable Phen	olics	MG/L	0.010	U			420.2	10/27/2005		
Comments:											

122/1185

Lab Name:	e <u>STL Buffalo</u> Contract:							SW-19				
Lab Code	RECNY	Case No.:	SAS No.	:	į	SDG No.:						
Matrix (s	x (soil/water): WATER Lab Sample ID: A								5C06210			
% Solids	s:											
	Paramete	er Name	Units of Measure	Result	С	Q	M	Method Number	Analyzed Date			
Total Re	coverable Phen	olics	MG/L	0.010	U			420.2	10/27/2005			
Comments								-				
						<del></del>						

123/1185

Lab Name	: STL Buffalo		Contract	: <u></u>	Ľ	5W-19A					
Lab Code	: RECNY	Case No.:	SAS No.	•	;	SDG No.:					
Matrix (	soil/water): WATER Lab Sample ID: A5C06211										
% Solids	Date Samp/Recv: 10/25/2005 10/26/2005										
	Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total R	ecoverable Pher	olics	MG/L	0.010	U			420.2	10/27/2005		
Comments	:		,								
						*					

Chain Of Custody Documentation

# Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0901)	•													-	<del></del>					
Client		Project Manager  MARK J 5 CHUMACHUN  Date  Chain of Custody Number  214154																		
DELTA ENVIRONMENT	AL	MA	RK	丁	5 C	HUN	WCH.	in					ت 🗝	5-	05		21	415	4	
104 JAMESICICIE A	_						15-4			من و ا	,	Lab N	umbe				I		3	_
City State Zip Code	,,	Site Contac	7 7 7	- 0	Lab Col	1 3	13 - 4	145				<del></del>				Раде		01		
104 JAMES VILLE R City State Zip Cook 5 YNACUSE NY 13	214	Site Contac	25		BRIA	nacı M	- ISCHO	mL		- 1				ı list il eded						
		Carrier/Way			11.0			- 1 /2		*			į,	3						
Contract/Purchase Order/Quote No.	NY	·						77		w.	<u>ا</u> ما		7.45	77-7			<u> </u>			
Contract/Purchase Order/Quote No.					T	Contair	ora P	<b>  ኦ</b>	0	3	ังไ.	R	10	0	1 1 1	}			ictions/ Receipt	
0310025P			Mati	'ix		Presen		v	2	47	3 (	) <i>(</i> b)	E	7			Contain	OHS OH	riaceipi	
Sample I.D. No. and Description . (Containers for each sample may be combined on one line)	Date T	îme इ	Aqueous Sed.	Soil	Unpres. H2SO4	HINO3	NaOH ZnAc/ NaOH	7	8270 BK	1	7 6	0 0	7.46	20						
5W - 10 10	1-25-05 15	00	X		21	12		X	Y		r							***************************************		
5w-11	14:	30	χ		21	15		X	X	χ	X		十							-
5n-12	14	02	X		21	1/2		X	V	χÍ			$\neg$		1   1			<del></del>	4-th	
5n -13	13	30	χ		21	12		X	x	<b>/</b> / ,	<u>~</u>	1-1	_	+		_		<del></del>		
5w-14	1	300	V -		21	1 2		1 x	V	$\frac{\Delta}{V}$	<u> </u>		十				<del></del>			
5n-15		15	v		21	1/2	1	Y		<u>~</u> /		1-1	+	-	1-1-1		<del> </del>		<del></del>	-
SN-1C.		15	χ		21	1 2	<del>1</del> ——	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7	$\frac{1}{2}$	<u> </u>	$\uparrow$	$\dashv$	+			<u>.</u>			
5n-17		45	X		21	12	<del></del>	10	X	^ /2 X )		1-	$\dashv$		<del>                                     </del>			<u></u>		
5w-18	101		χ		21	12	<del>'  </del>	X		X   )			+		1-1-1				<del></del>	-
5n-19		45	Λ χ		21	10	+	1 <u>/</u>				<del>                                     </del>	+		<del>                                     </del>		<del> </del>			
SW-19A	95		X	<del>                                     </del>	21	1 2		$\frac{\lambda}{\lambda}$	X			+	-		1-1-1		<del></del>		·········	<b>-</b> ,,,
5m-19ms	1 95		X		2	, 2		1	$\frac{\langle \cdot \rangle}{\langle \cdot \rangle}$		<del>}</del>	╂┈╢	$\dashv$		<del>                                     </del>				······································	
Possible Hazard Identification	- <del></del>	•	ample Di	sposal			IJl.				<u> </u>	$\bot$								
□ Non-Hazard □ Flammable □ Skin Irritant □ F	Poison B 🕱 Ui	nknown [				Disposal	By Lab	Arch	ive Fo	r		Mont	hs i	A fee i onger l	nay be assi than 1 moni	assed if s h)	samples a	re retaine	ed .	
Turn Around Time Required				-2.,	,00	Require	ments (Spec	cify)						***************************************		<u> </u>			***************************************	_
24 Hours 48 Hours 7 Days 14 Days	21 Days	Other_			_ /	<u>45,</u>	<u>p</u> 2	00	0	(	01	47		03	06	41	1611	986	5	
1. Relinquished By		Date [		70\ '70\	11.1	(eceiyed	By By									Date	25/0:	. Time		-
2. Agrical sup lish		Date 20/5	11	7900	2. F	eceived	Ву	<u> </u>	<b>-</b>  -	/ <u> </u>	1	7	<u></u>			Bale	<u> </u>	Time	705 W	-7/1
3. Relinquished By		Pate 7	763   76	ne		Received	Ву		1	<del>2</del> /		DT.	· · · · ·	·	. U	Date		Time		- 50
								$\angle$	$\angle$	1	_(r,	2)(	) L							_ Un 
Comments		_							<i>f</i>	T										
* CAOMIUM CHROMIUM LEAD DISTRIBUTION: WHITE-Returned to Client with Report; CANA	NICKEL	,21h	< , m	MGNO	51UM	1, 64	LCIUM	1		20	- 1	37		4	070	KA	HN	ME	7400	
DISTRIBUTION: WHITE - Returned to Client with Report: CANA	ARY - Stays with th	fe Sample;	PIÑK - FI	eld Copy		•						,								_

## Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0901)				
OBLTA ENVIRONMENTAL Addrass	Project Manager  MARK T	SCHLMACHUN	Date 10-25-07	Chain of Custody Number 214153
104 JAMOS VILLE AN	Telephone Number (Area Co. 315 - 445 - 02:	de)/Fax Number 24 / 315-445-	Lab Number - 0793	Page 2 of 3
City State Zip Code  5 Yn 8 CUSU NY 132 14	Site Contact	Lab Contact  BRIAN FISCHUN	Analysis (Attach list if	
Project Name and Location (State)	Carrier/Waybill Number	DATA TISCHE	101/14   12/3	
CONPER SYNACUSE LY Contract/Purchase Order Quote No.	<u> </u>	Containers &	3260 32 3260 32 2400 32 2400	Special Instructions/ Conditions of Receipt
03100251	Matrix	Preservatives	200000000000000000000000000000000000000	001101101101101101111111111111111111111
Sample I.D. No. and Description (Containers for each sample may be combined on one line)  Date	Time Agreement South	Unpress H2SO4 HNO3 HCI NaOH ZnACI NaOH	706 826 8270 81 7 moths 1706 8082 746 mote	
5h - 19 m 50 10-25005 5	745 X	2112	XXXX	
	500 X3	3	XXXX	
	430 X	3	X XXX	
	409 X	3	XXXX	
	330 X	3	XXXX	
	300 X	3	XXXXX	
	1/45 X	3	X XXXX	
	115 X	3	X X X X X X X	
	1015 Y	3	X X X X X X X X X X X X X X X X X X X	
	1007 1	3	X X X X X	
	1001 X	3	x x x x x	
Possible Hazard Identification	Sample Disposal		/A fee may !	the assessed if samples are retained
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Turn Around Time Required	Unknown     Return To Clie	, QC Requirements (Specify	Archive For Months longer than	**************************************
24 Hours 48 Hours 7 Days 14 Days 21 Days		_ ASP 200	O CAT B DEL	1 UEAABLOT
	Date 10-25-05 1705	1. Hecejued By	176,572	10/25/01 1705 5
2. Relinguished By K-CNG/ISh	Date 10/25/05 HD	2. Received By	ish, ste	10/25/95 1705 60 (Date Time 00
3. Relinquished By	Date Time	3. Received By	/ 14cm) (0 G	Date Time QO
Comments		/_	1 ( ) ( )	
* CARMIUM CHROMIUM, LEAD, NICK DISTRIBUTION: WHITE - Returned to Client with Record: CANARY - Stave with	EL, ZINC, MA	GARSIUM, CALE	son / TOC By	LLOYD KAHN MITHOR

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: <u>A05-C059, A05-C060</u>

STL Project#: NY4A9341

SDG#: C059

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

for: Brian J. Fischer Project Manager

11/23/2005

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# STL Buffalo Current Certifications

STATE	Program	Cert # / Lab ID
	SDWA, CWA, RCRA, SOIL	03-054-D/BB-0586
Arkansas	NELAP SDWA, CWA, RCRA	01169CA
California	SDWA, CWA, RCRA, SOIL	PH-0563
Connecticut	NELAP RCRA	E87672
Florida	SDWA	956
Georgia	NELAP SOWA, CWA, RCRA	200003
illinois	SW/CS	374
lowa	NELAP SDWA, CWA, RCRA	E-10187
Kansas	SDWA	90029
Kentucky	UST	30
Kentucky UST	NELAP CWA, RCRA	2031
Louisiana	SDWA, CWA	NY044
Maine	SDWA	294
Maryland		M-NY044
Messachusetts	SDWA, CWA SDWA	9937
Michigan		036-999-337
Minnesota	CWA, RCRA NELAP SDWA, CWA	233701
New Hampshire		NY455
New Jersey	SDWA, CWA, RCRA, CLP	10026
New York	NELAP, AIR, SDWA, CWA, RCRA	411
North Carolina	CWA	R-176
North Dakota	SDWA, CWA, RCRA	9421
Oklahoma	CWA, RCRA	68-281
Pennsylvania	Env. Lab Reg.	91013
South Carolina	RCRA	S-41579
USDA	FOREIGN SOIL PERMIT	278
Virginia	SDWA	· C254
Washington	CWA .	
West Virginia	CWA	252
Wisconsin	CWA	998310390
		· · · · · · · · · · · · · · · · · · ·
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Sample Data Summary Package

### SAMPLE SUMMARY

		•	SAMPI	LED	RECEIV	ED CE
LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE	TIME	DATE	TIME
A5C05911	SED-10	SOIL	10/25/2005	15:00	10/26/2005	10:00
A5C06001	SED-10	SOIL	10/25/2005	15:00	10/26/2005	10:00
A5C05912	SED-11	SOIL	10/25/2005	14:30	10/26/2005	10:00
A5C06002	SED-11	SOIL	10/25/2005	14:30	10/26/2005	10:00
A5C05913	SED-12	SOIL			10/26/2005	
A5C06003	SED-12	SOIL			10/26/2005	
A5C05914	SED-13	SOIL	10/25/2005	13:30	10/26/2005	10:00
A5C06004	SED-13	SOIL			10/26/2005	
A5C05915	SED-14	SOIL			10/26/2005	
A5C06005	SED-14	SOIL	10/25/2005	13:00	10/26/2005	10:00
A5C05916	SED-15	SOIL	10/25/2005	11:45	10/26/2005	10:00
A5C06006	SED-15	SOIL			10/26/2005	
A5C05917	SED-16	SOIL			10/26/2005	
A5C06007	SED-16	SOIL			10/26/2005	
A5C05918	SED-17	SOIL			10/26/2005	
A5C06008	SED-17	SOIL			10/26/2005	
A5C05919	SED-18	SOIL			10/26/2005	
A5C06009	SED-18	SOIL			10/26/2005	
A5C05922	SED-19	SOIL			10/26/2005	
A5C05922MS	SED-19	SOIL			10/26/2005	
A5C05922SD	SED-19	SOIL			10/26/2005	
A5C06010	SED-19	SOIL			10/26/2005	
A5C05920	SED-19A	SOIL			10/26/2005	
A5C06011	SED-19A	SOIL			10/26/2005	
A5C05901	TP-21	SOIL			10/26/2005	
A5C05902	TP-23	SOIL			10/26/2005	
A5C05903	TP-26	SOIL			10/26/2005	
A5C05905	TP-28	SOIL			10/26/2005	
A5C05907	TP-30	SOIL			10/26/2005	
A5C05906	TP-32	SOIL			10/26/2005	
A5C05908	TP-34	SOIL	10/25/2005			
A5C05909	TP-35	SOIL	10/25/2005			
A5C05904	TP-OW-2	SOIL		15:40	10/26/2005	
A5C05921	TRIP BLANK	WATER	10/25/2005		10/26/2005	10:00

### METHODS SUMMARY

Job#: A05-C059, A05-C060

STL Project#: NY4A9341

SDG#: <u>C059</u>

Site Name: Delta Environmental Consultants, Inc.

PARAMETER	Α	VALYTICAL MEIHOD
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00	8260
DELTA - SOIL ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000- METHOD 8270 SEMIVOLATTLES	ASP00	8270
DELITA - SOIL-ASPOO 8082 - PCBS	ASP00	8082
Aluminum - Total	ASP00	
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	
Barium - Total	ASP00	
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7471
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total '	ASP00	6010
Leachable pH	ASP00	9045
Total Organic Carbon	OTHER	KAHN

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

OTHER Non-Standard Protocol and Method Defined by State, Client QAPP or Developed by Laboratory

#### NON-CONFORMANCE SUMMARY

Job#: <u>A05-C059, A05-C060</u>

SIL Project#: NY4A9341

SDG#: C059

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

#### Sample Receipt Comments

#### A05-C059

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C All samples were received in good condition.

A05-C060

Sample Cooler(s) were received at the following temperature(s); 14@2.0 °C All samples were received in good condition.

#### GC/MS Volatile Data

The analyte 1,2,4-Trichlorobenzene exceeded quality control limits for the Continuing Calibration <A5C0005975-1>. However, because the results are considered biased high and this analyte was non-detect in all the associated samples, no further corrective action was necessary.

All aqueous samples were preserved to a pH less than 2.

According to OLM04.2 and ASP SOW's the storage blank should be analyzed after all of the samples have been completed. The storage blank (VHB) was not analyzed after all of the samples were analyzed.

#### GC/MS Semivolatile Data

Sample TP-35, 8270 soil, had an adjusted final volume during extraction due to extract matrix and viscosity.

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A5B1664902 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The internal standard recoveries for Chrysene-D12 and Perylene-D12 were below the method defined quality control limit in sample TP-26. The sample was re-analyzed at a higher dilution with compliant results. Both analyses were included in the results. No further corrective action was required.

The spike recovery for Pyrene was below the laboratory quality control limits in the Matrix Spike Duplicate SED-19. Since the Matrix Spike Blank A5B1664901 recoveries were compliant, no corrective action was required.

The relative percent difference between the Matrix Spike SED-40 and the Matrix Spike Duplicate SED-10 exceeded quality control criteria for Pyrene.

#### GC Extractable Data

For method 8082, many samples required dilution prior to analysis due to the heavy matrix present or high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10% or greater.

For method 8082, the recovery of surrogate Decachlorobiphenyl in samples SED-18 and SED-14 is outside of established quality control limits due to the sample matrix and dilution. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, the recoveries and the relative percent difference for sample SED-19 Matrix Spike and the Matrix Spike duplicate are outside quality control limits for several compounds, though the Matrix Spike Blank recoveries are compliant, no action necessary.

#### Metals Data

The recovery of sample SED-19 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Chromium, Manganese, Mercury, and Zinc (MSD) and below the quality control limits for Antimony and Copper (MS). Sample matrix is suspect. The RPD of sample SED-19 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Copper and Manganese. However, the ICS was acceptable.

The recovery of sample SED-19 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Lead. The sample result is more than four times greater than the spike added. The LCS is acceptable.

The relative percent difference between sample SED-19 Matrix Spike and the Matrix Spike Duplicate exceeded quality control criteria for Thallium, though all individual recoveries are compliant. No action required.

The recovery of sample TP-21 Post Spike exhibited results above the quality control limits for Arsenic, Beryllium, Chromium, and Copper and below the quality control limits for Zinc. The recovery of sample SED-19 Post Spike exhibited results below the quality control limits for Iron and Zinc. However, the LCS's are acceptable.

The RPD of sample SED-19 and the Matrix Duplicate exceeded quality control limits for Arsenic, Cadmium, Chromium, Calcium, Iron, Lead, Magnesium, Manganese, Nickel, Mercury and Zinc. However, the LCS was acceptable.

The Serial Dilution of sample TP-21 exceeded quality control limits for Nickel. However, the LCS was acceptable.

#### Wet Chemistry Data

Total Organic Carbon was subcontracted to STL Chicago. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Total Organic Carbon may be found within the comment summary of the subcontract report.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

AGULANA.) Ar Brian J. Fischer Project Manager

11/25/05

Date

Dilution Log w/Code Information For Project NY4A9341, SDG C059 9/345

Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
TP-21	A5C05901	Zinc - Total	50.00	008
TP-21 DL	A5C05901DL	8270	10.00	800
TP-23	A5C05902	Zinc - Total	10.00	008
TP-26	A5C05903	Copper ~ Total	10.00	800
TP-26	A5C05903	Zinc - Total	10.00	800
TP-26 DL	A5C05903DL	8270	20,00	002
TP-28 DL	A5C05905DL	8270	5.00	800
TP-32	A5C05906	8270	50.00	002
SED-10	A5C05911	8270	4.00	800
SED-10	A5C05911	Zinc - Total	5.00	800
SED-11	A5C05912	8270	10.00	002
SED-12	A5C05913	8082	5.00	800
SED-12	A5C05913	8270	5.00	908
SED-12	A5C05913	Zinc - Total	5,00	800
SED-13	A5C05914	8270	10.00	002
SED-14	A5C05915	8082	. 4.00	800
SED-14	A5C05915	8270	10.00	002
SED-15	A5005916	8082	50.00	008
SED-15	A5C05916	8270	10.00	002
SED-16	A5C05917	8082	50.00	008
SED-16	A5C05917	8270	10.00	002
SED-17	A5C05918	8082	10.00	800
SED-17	A5C05918	8270	4.00	012
SED-18	A5C05919	8082	4.00	800
SED-18	A5C05919	8270	4.00	012
SED-19A	A5C05920	8270	4.00	012
SED-19	A5C05922	8270	10.00	002
SED-19	A5C05922MS	8270	10.00	002
SED-19	A5C05922SD	8270	10.00	002

### Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

### SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID		ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
SED-10	A5C05911	ASP00	ASP00	<u>-</u>	ASP00	ASP00	*	ASP00
SED-11	A5C05912	ASP00	ASP00	-	ASP00	ASP00		ASP00
SED-12	A5C05913	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-13	A5C05914	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-14	A5C05915	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-15	A5C05916	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-16	A5C05917	ASP00	ASP00	<del>-</del> _	ASP00	ASP00	<del>-</del>	ASP00
SED-17	A5C05918	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
SED-18	A5C05919	ASP00	ASP00	-	ASP00	ASP00	<del>-</del>	ASP00
SED-19	A5C05922	ASP00	ASP00	<del>-</del>	ASP00	ASP00	-	ASP00
SED-19A	A5C05920	ASP00	ASP00	-	ASP00	ASP00	_	ASP00
TP-21	A5C05901	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-23	A5C05902	ASP00	ASP00	•	-	ASP00	-	ASP00
TP-26	A5C05903	ASP00	ASP00	-	-	ASP00	-	ASP00
TP-28	A5C05905	ASP00	ASP00	-	-	ASP00	<del>-</del>	ASP00
TP-30	A5C05907	ASP00	ASP00	<u>-</u>	-	ASP00	-	ASP00
TP-32	A5C05906	ASP00	ASP00		_	ASP00	-	ASP00
TP-34	A5C05908	ASP00	ASP00	-	-	ASP00	_	ASP00
TP-35	A5C05909	ASP00	ASP00	-	_	ASP00	-	ASP00
TP-OW-2	A5C05904	ASP00	ASP00	-	-	ASP00	_	ASP00

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

A <u>B NAME: SEVERN TRE</u> I	<u>NT LABORAT</u>	ORIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SED-10	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-11	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-12	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-13	SOIL	10/25/2005	10/26/2005	<u>.</u>	11/05/2005
SED-14	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-15	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-16	SOIL	10/25/2005	10/26/2005	-	11/05/2005
SED-17	SOIL	10/25/2005	10/26/2005	•	11/05/2005
SED-18	SOIL	10/25/2005	10/26/2005	_	11/05/2005
SED-19	\$OIL	10/25/2005	10/26/2005	-	11/05/2005
SED-19A	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-21	SOIL	10/24/2005	10/26/2005		11/05/2005
TP-23	SOIL	10/24/2005	10/26/2005	_	11/05/2005
TP-26	SOIL	10/24/2005	10/26/2005	-	11/05/2005
TP-28	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-30	SOIL	10/25/2005	10/26/2005		11/01/2005
TP-32	SOIL	10/25/2005	10/26/2005	-	11/05/2005
TP-34	SOIL	10/25/2005	10/26/2005	<u>.</u>	11/05/2005
TP-35	SOIL	10/25/2005	10/26/2005	-	11/01/2005
TP-OW-2	SOIL	10/24/2005	10/26/2005	-	11/05/2005

### SAMPLE PREPARATION AND ANALYSIS SUMMARY B\N-A ANALYSIS

A <u>B NAME: SEVERN TREN</u>	B NAME: SEVERN TRENT LABORATORIES, INC.							
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED			
SED-10	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-11	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-12	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-13	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-14	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-15	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-16	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-17	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005			
SED-18	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005			
SED-19	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
SED-19A	SOIL	10/25/2005	10/26/2005	10/27/2005	11/09/2005			
TP-21	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005			
TP-21 DL	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005			
TP-23	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005			
TP-26	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005			
TP-26 DL	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005			
TP-26 RI	SOIL	10/24/2005	10/26/2005	10/27/2005	11/03/2005			
TP-28	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005			
TP-28 DL	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
TP-30	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005			
TP-32	SOIL	10/25/2005	10/26/2005	10/27/2005	11/03/2005			
TP-34	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005			
TP-35	SOIL	10/25/2005	10/26/2005	10/27/2005	11/02/2005			
TP-OW-2	SOIL	10/24/2005	10/26/2005	10/27/2005	11/02/2005			

# SAMPLE PREPARATION AND ANALYSIS SUMMARY PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

<u>AB NAME: SEVERN</u>	INDIAI LADUKA	ORIES, INC.			
SAMPLE IDENTIFICATIO	MATRIX ON	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
SED-10	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-11	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-12	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-13	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-14	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-15	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-16	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-17	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-18	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-19	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005
SED-19A	SOIL	10/25/2005	10/26/2005	10/27/2005	10/28/2005

# SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AD NAME: SEVERN	177777	side i Ordins, mie	<del>(                                    </del>		
SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
SED-10	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005- 11/14/2005
SED-11	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-12	SOIL	tal met	10/26/2005	11/03/2005- 11/14/2005	11/03/2005- 11/14/2005
SED-13	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-14	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-15	SOIL ·	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-16	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-17	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-18	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-19	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
SED-19A	SOIL	tal met	10/26/2005	11/03/2005, 11/14/2005	11/03/2005, 11/14/2005
TP-21	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005
TP-23	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005
TP-26	· SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005- 11/14/2005

# SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

TP-28	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-30	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-32	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-34	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-35	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005
TP-OW-2	SOIL	9 metal	10/26/2005	11/01/2005, 11/14/2005	11/01/2005, 11/14/2005

NYSDEC-5

### SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

L <u>AB NAME: SEVERN TREI</u>	<u>YT LABORAT</u>	ORIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
SED-10	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-11	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-12	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-13	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-14	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-15	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-16	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-17	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-18	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-19	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
SED-19A	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-21	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-21 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-23	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-26	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
. TP-26 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-26 RI	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-28	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-28 DL	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-30	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-32	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-34	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-35	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-OW-2	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

# SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AB NAME: SEVERN TRENT LABORATORIES, INC.					
LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
SED-10	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-11	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-12	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-13	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-14	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-15	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-16	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-17	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-18	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-19	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
SED-19A	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-21	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-23	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-26	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-28	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-30	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-32	SOIL	* ASP00	ASP00	AS REQUIRED	A'S REQUIRED
TP-34	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-35	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-OW-2	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

A05-C059	SDG/Case	C059
V12276	Lab ID	A5C05901
⊕ ≤11/2/2005	Client ID	TP-21
30.3500	Injection Volume (uL)	2.00
		42.79
1,00	GPC	N
	V12276 ⇒ 11/2/2005 30.3500	V12276         Lab ID           ⊕ 11/2/2005         Client ID           30:3500         Injection Volume (uL)           Dry Weight (%)

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THE REST. LANS.	tatia. :	<u> 2005)</u>	-0.4	127	9

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
7.68	Undecane	1120-21-4	114.27	4399
8.79	Type 2	- MANAGE AND	95.43	3674
9.27	2-Methyl Dodecane	1560-97-0	56.04	2158
9.59	Tridecane	629-50-5	312.41	12028
-10.09	4-Methyl Tridecane	26730-12-1	167.9	6464
10.14	Type 2		244.81	9425
=10.2	Type 2		268.5	10337
10:45	Tetradecane	629-59-4	1296.36	49911
10.51	Type 1		. 142.02	5468
10.93	Hexadecane	544-76-3	718.53	27664
	2-Methyl Tetradecane	1560-95-8 ×	273.26 <b>- 1</b> 15-2	9-3-2-10521
_12.65	Type 1	<b>国际党委员</b>	60.15	2316
ス国(高麗美)(49)。 マラ	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- 1222年453 3657	्रिक्टमार्थस्य सम्बद्धाः जन्म	0
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Unknown Straight Chain Alkane Unknown Branched Alkane

Type 1 Type 2 Type 3 Type 4

Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C059	SDG/Case	20059
File ID	V12290	Lab ID	A5C05901DL
Date	11/3/2005	Client ID	TP-21
Initial weight (g)	30,3500	Injection Volume (uL)	2.00
Final Volume (mL)	2000年第15章 1000年第16 <b>1</b>	Dry Weight (%)	42.79
Dilution Factor	10.00	GPC	No. 1982 April 1985 Ap

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Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
7.65	Undecane	1120-21-4	11,96	4605
	Type 2	The second of th	9.89 學學學	3808
9.56	Tridecane	629-50-5	38.56	14846
10,89	Typed	Barren de Carlos de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composi	12.7。 弄异意	4890
11,96	Hexadecane	544-76-3	22.12	8516 · · ·
12.27	2,6,10-Trimethyl Pentadecane	3892-00-0	31.73	12216
12.6	Heptadecane	629-78-7	52.85	20348
13.16	Octadecane	593-45-3	44.88	17279
eas 5 13:59	Tetradecane A Company	629-59-4	± ≥13.59	5232
13.65	Nonadecane	629-92-5	48.17	18546
14.07	Eicosane	112-95-8	48.02	18488 電
14.46	Heneicosane Andrews	<u>       629-94-7                                  </u>	51.11	元·金基
14.82	Company Type 1 Transport	終し アヤツ港	37:35	14380
16.11	Tricosane	638-67-5	29.24	11258
	· · · · · · · · · · · · · · · · · · ·		Zantani (rega Yan Ma - Ariya da kata )	
and the second		<b>副组织基础的</b>		一位。
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Type 1 Type 2 Type 3 Type 4 Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C059	SDG/Case	C059
File ID		Lab ID	A5C05902
Date	11/2/2005	Client ID	TP-23
Initial weight (g)	30.2300	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	44.72
Dilution Factor	1.00	GPC	E CONTRACTOR OF THE PROPERTY O

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
14,48	Heneicosane	629-94-7	10.43	386333
15:16	Docosane		6.56	243
	Cyclohexadecane	295-65-8	39.74	A
16.87	Type 1	\$P\$ \$P\$ \$P\$	16.59	614
17.51	Type 2		14.75	546
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Type 1 Type 2

Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C059	SDG/Case	C059
File ID	V12278	Lab ID	A5C05903
Date	11/2/2005	Client ID	TP-26
Initial weight (g)	30:1900	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	46.72
Dilution Factor	1.00	GPC	ALAS AND AND STREET STATE OF THE STREET IN

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
* **********	350 - 4-4-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
6.56	Decane	-124-18-5	<u>-</u> - 31.67	· · · · · · · · · · · · · · · · · · ·
7.24	4-Methyl Decane	2847-72-5	34:7	
7.29	2-Methyl Decane	6975-98-0	85.55	10000000000000000000000000000000000000
7.68	Undecane	1120-21-4	368.7	-13070
·	2,6-Dimethyldecane	⊬13150-81 <b>-</b> 7₋	58.11	2060
8.33	2-Methyl Undecane	7045-71-8	59.62	2113
9.33	Type 2	音響學學學學	42.14	1494
9.58	Tridecane	629-50-5	28.46	
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Alkane Types

Type 1 Type 2

Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane

Unknown Cyclic Alkane

Unknown Alkane

Job:	A05-C059	SDG/Case	2. 5 % C059
File ID	7年 V12291	Lab iD	A5C05903DL
Date	11/3/2005	Client ID	TP-26 DL
Initial weight (g)	30.1900	Injection Volume (uL)	2,00
Final Volume (mL)		Dry Weight (%)	46.72
Dilution Factor	20.00	GPC	N
1000			

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
7.65	Undecane	1120-21-4	13.59	9635
8.65	Dodecane	112-40-3	8.2	
	Douckard	*** 「12-40-3 語話	0.2 No.2	5814
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Unknown Straight Chain Alkane Unknown Branched Alkane

Type 1 Type 2 Type 3

Unknown Cyclic Alkane Unknown Alkane

Type 4

Job:	A05-C059	SDG/Case	C059
File ID	V12279	Lab ID	A5C05904
Date	11/2/2005	Client ID	TP-OW-2
Initial weight (g)	30.1700	Injection Volume (uL)	2,00
Final Volume (mL)	7	Dry Weight (%)	62.08
Dilution Factor	1.00	GPC	The second of th

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
6.56				
	Decane	124-18-5	26.47	707
7.29	2-Methyl Decane	6975-98-0	22.26	594
7.68	Undecane	1120-21-4	126,19	3369
7.84	2,6-Dimethyldecane	13150-81-7	12.18	325
8.79	Type 2	WEIGHT THE THE	29.75	794
9.58	Tridecane	629-50-5	16.87	450
10.44	Tetradecane	629-59-4	24.46	653.57.
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Type 1 Type 2 Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C059	SDG/Case	C059
File ID	V12280	Lab ID	A5C05905
Date	11/2/2005	Client ID	TP-28
Initial weight (g)	30.4200	Injection Volume (uL)	2.00
Final Volume (mL)	多数,还是是多数数型。这种证明1	Dry Weight (%)	59.26
Dilution Factor	1.00	GPC	N
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Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
-11.98	Hexadecane	544-76-3	14.29	 
12.62	Type 1	Redeliganeses.	21.84	606
12.65	,6,10,14-Tetramethyl Pentadecan	1921-70-6	31.3	868
13,18	Octadecane	593-45-3	23.68	657_122
13.66	Nonadecane	629-92-5	13.98	388
14.48	Heneicosane	629-94-7	16.22	450
15.77	1-lodotridecane	35599-77-0	11.1	308
16.32	heptadecane	629-78-7	14.09	391
16.59	Type 2	<b>等种类型数据数</b> 数	41.68	1156
16.88	Type 1	医心理器计算建筑的	40:	1109_4
17.53	Type 2	\$8.4.7.6.35(\$P\$) (\$1.50)	41.79	1159
- 17.91- <u></u>	Type 2		49.59	74 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Type 1 Type 2 Type 3

Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

A05-C059	SDG/Case	C059
V12292	Lab ID	A5C05905DL
11/3/2005	Client ID	TP-28 DL
<b>经验证法的证据的证据。30.4200</b>	Injection Volume (uL)	2,00
	Dry Weight (%)	59.26
5.00	GPC	
	V12292 11/3/2005 30.4200	V12292         Lab ID           11/3/2005         Client ID           30.4200         Injection Volume (uL)           Dry Weight (%)

1000

Retention Time	Compound	CAS Number	Column Conc. (na)	Estimated Concentration (ug/kg)
2.6 a galest	Heptadecane	629-78-7	4.45	617
12,62	Type 2	and the framework of the state	4.98	691
15.74	Type 2	MARCHET STATE	6.31	875
16.01	Type 1	<b>经产品产品</b>	5.12	710
16.28	Type 1		7.91 Sangaran	=1097
<b>当从2.16.55</b> 单位第	Tricosane	638-67-5	10.21	1416
	Hentriacontane Hentriacontane	630-04-6	11.33	1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571 - 1571
17.86	B. Elcosane	112-95-8	10.95	1519 <u>- 1</u> 519
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Job:	A05-C059	SDG/Case	C059
File ID	W21. V12293	Lab ID	A5C05906
Date	11/3/2005	Client ID	TP-32
Initial weight (g)	30.2200	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	81.06
Dilution Factor	50.00	GPC C	· · · · · · · · · · · · · · · · · · ·

Retention Time	Compound	CAS Number	Column Conc. (na)	Estimated Concentration (ug/kg
		JAC HUIIING	voidini voile, (ilg)	Laminated Concentration (ug/kg
7.65	Undecane	1120-21-4	5.65	5766
12.62	Type 2		23.17	23646
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Alkane Types

Type 1 Type 2 Type 3

Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane

Unknown Alkane

A05-C059	SDG/Case	C059
V12282	Lab ID	A5C05907
第5-1000000000000000000000000000000000000	Client ID	TP-30
30.6200	Injection Volume (uL)	2.00
于是全国主义的	Dry Weight (%)	92.05
1.00	GPC	NEW TOTAL PROPERTY N
	V12282 11/2/2205 30.6200	V12282         Lab ID           11/2/2205         Client ID           30.6200         Injection Volume (uL)           Dry Weight (%)

		0.9205

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
12.62	Heptadecane	629-78-7	8.07	143
13.17	Octadecane	593-45-3	6.37 · · · · · ·	113
13.66	Nonadecane	629-92-5	9.23	164
14.09	Eicosane	112-95-8	15.97	283
14.37	3,8-Dimethyl Decane	17312-55-9	10.18	181
14.48	Type 1, 2004	generalistics of a co-	17.95 · ·	318
14.83	Type 1		15.48	275
基本 15.47 法法法	Type 1		26,43	469
15.76	Type 1	gag i kalendarinan yar. La hila	34.38	610
.16.04	Type 1		28.74	510
16.13	Octacosane	630-02-04	24.54	435
16.3	Type 1	<b>最级的工作。 第144</b>	41.41	735
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17.52	Type 1	ENGLISHED STATE	14.76	262
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Type 1	
Type 2	
Type 3	
Type 4	

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

iob:	A05-C059	SDG/Case	C059
File ID	V12283	Lab ID	A5C05908
Date	11/2/2205	Client iD	TP-34
Initial weight (g)	30.4600	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	78.75
Dilution Factor	1.00	GPC	HE LEEK HE ALEKTER HER N

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Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
6.56	Decane	124-18-5	28.36	591
7.3	2-Methyl Decane	6975-98-0	11.45	239
7.68	Undecane	1120-21-4	65.84	1372
8.79	2,6-Dimethyl Undecane	17301-23-4	14.49	302
10.44	Type 1		27.72	578
10.92	Type 2		25.72	536
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				PROPERTY OF THE PROPERTY OF TH
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Type 1

Unknown Straight Chain Alkane

Type 2 Type 3 Type 4

Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C059		SDG/Case	C05
File ID	V12284		Lab ID	A5C0590
Date	11/2/2205		Client ID	TP-3
Initial weight (g)			1-14	
Final Volume (mL)	30,6400	<del></del>	Injection Volume (uL)	2.0
Dilution Factor			Dry Weight (%)	77.3
			GPC_	
0.7732				
Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
^ 6.56 <u> </u>	Decane	124-18-5	19.93	4206
7.24	4-Methyl Decane	2847-72-5	14.05	2965
7.29	2-Methyl Decane	6975-98-0	- 16.71 € 1.20 E	3527
7.68	Undecane	1120-21-4	91.67	19347
8.27	4-Methyl Undecane	2980-69-0	9.18	1937
÷∢	2-Methyl Undecane	7045-71-8	14.37	3033
8.39	3-Methyl Undecane	1002-43-3	10.38	2191
9.58	Tridecane	629-50-5	15.09	3185
10.91	Type 1	STATES, STATES	9.02	1904
11.99	Type 1		46.39	9791
12.66	,6,10,14-Tetramethyl Pentadecan	1921-70-6	77.25	16304
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Alkane Types

Type 1 Type 2

Type 3 Type 4 Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane

Unknown Alkane

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### DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

#### ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- Indicates an estimated value. This flag is used either when estimating a concentration for tentalively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a \*P\*.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coefution.
- \* Indicates analysis is not within the quality control limits.

### INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- fundicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

## DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

31/3459

Lab Name: STL Buffal	○ Contract:		SED-10
	•		
Lab Code: <u>RECIVI</u>	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05911
Sample wt/vol:		Lab File ID:	<u>08697.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/200
% Moisture: not dec.	11 Heated Purge: Y	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ume: (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) [	OG/KG_Q
75-01-4 75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 67-66-3 107-06-2 78-93-3 75-27-4 78-87-5 10061-01-5 79-01-6 124-48-1 124-48-1 1061-02-6 75-25-2 108-10-1 591-78-6 108-88-3 108-90-7 100-41-4 100-42-5 1330-20-7	Vinyl chlorideChloroethaneMethylene chlorideAcetoneCarbon Disulfide1,1-Dichloroethene1,1-DichloroethaneChlorofonn1,2-Dichloroethane2-Butanone1,1,1-TrichloroethaneCarbon TetrachlorideBromodichloromethane1,2-DichloropropaneCis-1,3-DichloropropeneTrichloroetheneDibromochloromethane1,1,2-TrichloroethaneBenzenetrans-1,3-DichloropropeneBromoform4-Methyl-2-pentanone2-HexanoneTetrachloroetheneTolueneTolueneTolueneThylbenzeneEthylbenzene		11

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 32/3459

Lab Name: STL Buffalo Contract:	SED-10
Lab Code: REXONY Case No.: SAS No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>A5C05911</u>
Sample wt/vol: $\underline{5.17}$ (g/mL) $\underline{G}$	Lab File ID: <u>Q8697.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: not dec. <u>11</u> Heated Purge: Y	Date Analyzed: <u>11/05/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	11 U U U U U U U U U U U U U U U U U U

### DELIFA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

33/3459

			0770 10
Lab Name: SIL Buffalo	Contract:		SED-10
Lab Code: RECNY Case No.: _	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05911
Sample wt/vol: $5.17$ (g	/mL) <u>G</u>	Lab File ID:	Q8697.RR
Level: (low/med) <u>IOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. 11.0		Date Analyzed:	11/05/2005
GC Column: DB-624 ID: 0.3	<u>25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (ul	L)	Soil Aliquot Vol	ume: (uL)
Number TICs found: 1	·	CONCENTRATION UNIT (ug/L or ug/Kg)	
			· · · · · · · · · · · · · · · · · · ·

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	NC

### DELIA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 34/3459

Lab Name: STL Buffal	O. Contract:		SED-11
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05912
Sample wt/vol:	5.10 (g/mL) <u>G</u>	Lab File ID:	Q8698 .RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec.	8 Heated Purge: Y	Date Analyzed:	11/05/2005
3C Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me: (uL)
		CONCENTRATION UNITS:	•
CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>U</u>	G/KG Q
74-83-9 75-01-4 75-00-3	ChloromethaneBromomethaneVinyl chlorideChloroethane		<sub>177</sub>
75-15-0 75-35-4	AcetoneCarbon Disulfide1.1-Dichloroethene		11 U U 11 U 11 U U 11 U U U U U U U U U
67-66-3	Chloroform 1,2-Dichloroethane		11 U U U U U U U U U U U U U U U U U U
78-93-3 71-55-6 56-23-5	2-Butanone1,1,1-TrichloroethaneCarbon TetrachlorideBromodichloromethane		11
78-87-5   10061-01-5	1,2-Dichloropropane cis-1,3-Dichloropropene		11 U 11 U 11 U
124-48-1	TrichloroetheneDibromochloromethane1,1,2-Trichloroethane		11 U U U U U U U U U U U U U U U U U U
10061-02-6 75-25-2	trans-1,3-Dichloropropene Bromoform		11 U U .
591-78-6	4-Methyl-2-pentanone 2-Hexanone Tetrachloroethene	1	11 U 11 U 11 U
108-88-3 79-34-5		1	
100-41-4	Ethylbenzene	1 1	U U
76-13-1	10car xylenes_ 1,1,2-Trichloro-1,2,2-trifluc cis-1,2-Dichloroethene	proethane 1	.1   U   .1

# DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 35/3459

Lab Name: STL Buffalo Contract:	SED-11
Lab Code: RECNY Case No.: SAS No.: SDG No.:	: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u> Lab Sampl	le ID: <u>A5C05912</u>
Sample wt/vol: $\underline{5.10}$ (g/mL) $\underline{G}$ Lab File	ID: <u>Q8698.RR</u>
Level: (low/med) <u>LOW</u> Date Samp	p/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: not dec. <u>8</u> Heated Purge: <u>Y</u> Date Anal	lyzed: <u>11/05/2005</u>
GC Column: DB-624 ID: 0.25 (mm) Dilution	Factor:1.00
Soil Extract Volume: (uL) Soil Alig	quot Volume: (uL)
CAS NO. COMPOUND CONCENTRATION (ug/L or ug/	
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	11 U U U U U U U U U U U U U U U U U U

### DEUTA - SOLL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

36/3459

Lab Name	: STL Buffalo	Contract:	<u>.</u>	SED-	-11	
Lab Code	: <u>RECNY</u> Case No	SAS No.:	SDG No.:	C059		
Matrix:	(soil/water) <u>SOIL</u>		Lab Samp	le ID: <u>A5</u> 0	205912	
Sample w	t/vol: <u>5.1</u>	<u>0</u> (g/mL) <u>G</u>	Lab File	ID: <u>0</u> 86	598.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/</u>	<u>/25/2005</u>	10/26/2005
% Moistu	re: not dec. <u>8.5</u>	4 4	Date Ana	lyzed: <u>11/</u>	<u> 05/2005</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Extr	ract Volume:	(uL)	Soil Alie	quot Volume:		_ (uL)
Number TI	Cs found: 1		CONCENIRATION (ug/L or 1	ION UNITS: ug/Kg) <u>UG</u>	:/KG	
	CAS NO.	Compound Name	RT	Est. Conc	:. Q	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	6	JN

37/3459

						~
Lab Nama	e: STL Buffal	⊙ Contract:		SED-1	2	
			•			
Lab Code	e: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: <u>C059</u>	)·		
Matrix:	(soil/water)	SOIL	Lab Sample ID:	<u>A</u> 5C059	13	•
Sample w	wt/vol:	<u>5.15</u> (g/mL) <u>G</u>	Lab File ID:	<u>08699.</u> 1	RR	
Level:	(low/med)	LOW	Date Samp/Recv	: 10/25/2	2005 <u>10/</u>	26/2005
% Moistu	re: not dec.	28 Heated Purge: Y	Date Analyzed:	11/05/2	2005	
COlum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Facto	r:1.(	<u>00</u>	
Soil Ext	ract Volume:	(uL)	Soil Aliquot V	olume:	(	uL)
				_		
	CAS NO.	COMPOLIND	CONCENTRATION UNITS			
		Cost Octas	(ug/L or ug/Kg)	<u>Ud/KUd</u>	Q	
	74-87-3	Chloromethane		13	U	]
	74-83-9			13	Ū	
	75-01-4	Vinyl chloride		13	Ū	
	75-00-3	Chloroethane		13	Ū	
	75-09-2	Methylene chloride		13	υ	
	67-64-1	Acetone	<b>!</b>	13	บ็	
		Carbon Disulfide		13		İ
	75-35-4	1,1-Dichloroethene			U	
	75-34-3	1,1-Dichloroethane		13	U	
	67-66-3- <b>-</b>	Chloroform		13	U	
	107-06-2	1 2-Dichlomothana	·	13	U	<u></u>
•	78-93-3	1,2-Dichloroethane		13	U	i-
	71-55-6			13	ט	· .
	56-23-5	1,1,1-Trichloroethane		13	U	
Ì	75-27-4	Carbon Tetrachloride		13	U	
1	173-27-4	projectionomethane		13	U	
	70 01 3	1, <i>2-</i> 111(1111)(111)(1117)		13	U	
}	10001-01-5	cis-1,3-Dichloropropene		13	U	
l l	13-01-0	irichtoroethene		. 13	U	
1	124-48-1	Dibromochloromethane		13	ט	
	79-00-5	1,1,2-Trichloroethane	·	13	U	
1.	71-43-2	Benzene		13	שׁן	
	10061-02-6	-trans-1,3-Dichloropropene		13	U	
	75-25-2			13	U	•
	108-10-1	-4-Methyl-2-pentanone		13	U	
	591 <b>-</b> 78-6			13	บ	
-	127-18-4	-Tetrachloroethene		1	J	·
	108-88-3			13	U	
7	79-34-5	-1,1,2,2-Tetrachloroethane		13	Ū	
{=	108 <b>-</b> 90-7	-Chlorobenzene		13	บ	
]	100-41-4	-Ethylbenzene		13	Ŭ	
1	100-42-5	-Styrene		13	ט	
1	1330-20-7	-Total Xylenes		13	ט	
7	76-13-1	-1,1,2-Trichloro-1,2,2-triflu	oroethane	13	ש	
1	L56-59-2	-cis-1,2-Dichloroethene		13	U	

# 38/3459

Lab Name: STL Buffalo Contract:		SED-12	
Concrete:	<del></del>		
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05913	
Sample wt/vol: $\underline{5.15}$ (g/mL) $\underline{G}$	Lab File ID:	<u>0</u> 8699.RR	
Level: (low/med) <u>IOW</u>	Date Samp/Recv:	10/25/2005 10/26/200	<u>5</u>
% Moisture: not dec. <u>28</u> Heated Purge: Y	Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)	
	ONCENIRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>ig/kg</u> Q	
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		13	

# DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

39/3459

Lab Name: STL Buffalo Contra	act.		SED-12	
COLLEG	1CL:	'		
Lab Code: RECNY Case No.: SA	4S No.:	SDG No.: <u>C059</u>		
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05913_	
Sample wt/vol: $5.15$ (g/mL) $G$		Lab File ID:	Q8699.RR	<u>-</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005	10/26/2005
% Moisture: not dec. 27.6		Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Factor:	1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:	_ (uL)
Number TICs found: _2		CONCENIRATION UNITS (ug/L or ug/Kg)		
CAC NO			<u> </u>	<del></del> 1

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 110-54-3	UNKNOWN HEXANE	1.74 4.02	8 8	J JN

# 40/3459

Lab Name: STL Buffalo	Contract:		SED-13
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05914
Sample wt/vol: $\underline{5.12}$ (g/m <sup>2</sup>	L) <u>G</u>	Lab File ID:	<u>08700.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. <u>11</u> Heat	ted Purge: <u>Y</u>	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Volu	ume:(uL)

## 41/3459

Lab Name: <u>STL Buffalo</u> Cor	itract.		S	SED-13	
			<u> </u>		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	<u>C059</u>		
Matrix: (soil/water) <u>SOIL</u>		Lab Sample	ID: <u>A5</u>	C05914	
Sample wt/vol: $\underline{5.12}$ (g/mL) $\underline{G}$		Lab File I	D: <u>08</u>	700.RR	· 
Level: (low/med) <u>IOW</u>		Date Samp/	Recv: <u>10</u>	)/25/2005	10/26/2005
% Moisture: not dec. <u>11</u> Heated Pu	rge: Y	Date Analy	zed: <u>11</u>	/05/2005	
SC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution F	actor: _	1.00	
Soil Extract Volume: (uL)		Soil Aliqu	ot Volume		_ (uL)
CAS NO. COMPOUND		CONCENTRATION (ug/L or ug/K		KG (	Q ·
156-60-5trans-1,2-Dichlerof	omethane methane Ether (MIBE) ne ne e zene		11 11 11	ממממממממממ	

### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

42/3459

Lab Name	: STL Buffalo	Contract:			SED-1	3	
Lab Code	e: <u>RECNY</u> Case N	o.: SAS No.:	· · · · · · · · · · · · · · · · · · ·	SDG No.:	<u>C059</u>		
Matrix:	(soil/water) <u>SOIL</u>			Lab Samp	le ID: <u>A5C0</u> !	5914	
Sample w	t/vol:5.	12 (g/mL) <u>G</u>		Lab File	ID: <u>Q8700</u>	O.RR	<u> </u>
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv: <u>10/2</u>	5/2005	10/26/2005
% Moistu	re: not dec. <u>10.5</u>	2		Date Ana	lyzed: <u>11/0</u> 5	5/2005	
GC Colum	n: <u>DB-624</u> II	D: <u>0.25</u> (mm)		Dilution	Factor:1	00	
Soil Ext	ract Volume:	(uL <sub>i</sub> )		Soil Alio	quot Volume: _		_ (uL)
Number T	ICs found: <u>1</u>		. (	CONCENTRATI (ug/L or )	ION UNITS: ug/Kg) <u>UG/F</u>	<u>G</u>	<i>:</i>
	CAS NO.	Compound Name	<del></del>	RT	Est. Conc.	Q	
	1. 110-54-3	HEXANE		4 02		TNT	==

# 43/3459

Lab Name: <u>STL Buff</u> alo	Contract:		SED-14
			· · · · · · · · · · · · · · · · · · ·
Lab Code: <u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C05915</u>
Sample wt/vol:	5.15 (g/mL) <u>G</u>	Lab File ID:	<u>08702.RR</u>
Level: (low/med)	<u>LOM</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec.	55 Heated Purge: Y	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me: (uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>u</u>	IG/KG Q
75-01-4 75-09-2 75-09-2 75-15-0 75-15-0 75-35-4 75-34-3 75-34-3 76-66-3 78-93-3 71-55-6 75-27-4 78-87-5 10061-01-5 79-01-6 79-01-6 71-43-2 10061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7 100-41-4 1330-20-7 76-13-1	Carbon Disulfide1,1-Dichloroethene1,1-DichloroethaneChloroform1,2-Dichloroethane2-Butanone1,1,1-TrichloroethaneCarbon TetrachlorideBromodichloromethane1,2-Dichloropropanecis-1,3-DichloropropeneTrichloroetheneDibromochloromethane1,1,2-TrichloroethaneBenzenetrans-1,3-DichloropropeneBromoform4-Methyl-2-pentanone2-HexanoneTetrachloroetheneTolueneToluene		22 U 22 U 22 U 22 U 22 U 22 U 22 U 22 U

# 44/3459

Lab Name: SIL Buffalo Contract:		SED-14	
Lab Code: <u>RECNY</u> Case No.: SAS No.:			
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:		
Sample wt/vol: $\underline{5.15}$ (g/mL) $\underline{G}$	Lab File ID:	<u>0</u> 8702.RR	<del>_</del>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005	10/26/2005
% Moisture: not dec. <u>55</u> Heated Purge: Y	Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	_ (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg)		Q
106-67-2		22 U 22 U 22 U 22 U 22 U 22 U 22 U 22 U	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

45/3459

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Client No.

Lab Name	e: <u>SIL Buffalo</u>	Contract:		SED-14		
Lab Code	: <u>RECNY</u> Case No	O.: SAS No.:	SDG No.: C	2059		
Matrix:	(soil/water) <u>SOIL</u>		Lab Sampl	.e ID: <u>A5C05</u>	<u>915                                    </u>	
Sample w	t/vol: $5.1$	<u>.5</u> (g/mL) <u>G</u>	Lab File	ID: <u>08702</u>	.RR	<del></del>
Level:	(low/med) <u>IOW</u>		Date Samp	/Recv: <u>10/25</u>	/2005 <u>1</u> 0	0/26/2005
% Moistu	re: not dec. <u>54.9</u>	!	Date Anal	yzed: <u>11/05</u>	<u>/2005</u>	
GC Colum	n: <u>DB-624</u> ID	: 0.25 (mm)	Dilution	Factor: 1	.00	•
Soil Ext:	ract Volume:	(uL)	Soil Aliq	uot Volume: _		(uL)
Number T	ICs found: <u>1</u>		CONCENIRATIO (ug/L or ug	ON UNITS: g/Kg) <u>UG/KC</u>	<u>.</u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

4.02

1. 110-54-3

HEXANE

### 46/3459

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Client No.

	CTTGIC I	.vo
Inh Name Cut Deffel	SED-15	PHILIPPAN
Lab Name: STL Buffalo Contract:		
Lab Code: REXCNY Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05916	
Sample wt/vol: $\underline{5.18}$ (g/mL) $\underline{G}$	Lab File ID: <u>Q8713.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/200	<u>)5</u>
% Moisture: not dec. <u>15</u> Heated Purge: Y	Date Analyzed: <u>11/05/2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/Ĺ or ug/Kg) <u>UG/KG</u> Q	
74-87-3Chloromethane	11 U	
74-83-9Bromomethane	U 11 U	
75-01-4Vinyl chloride	11 U	
75-00-3Chloroethane 75-09-2Methylene chloride	11 U	
67-64-1Acetone	11 U J	
75-15-0Carbon Disulfide	11 0	
75-35-41, 1-Dichloroethene	1 11	
75-34-31,1-Dichloroethane	11 0	
107-00-3(110101010111	. 1 77 (1)	
67-66-3Chloroform 107-06-21,2-Dichloroethane	11 0	
78-93-32-Butanone		
71-55-61,1,1-Trichloroethane	11 0	

56-23-5-----Carbon Tetrachloride

75-27-4----Bromodichloromethane

78-87-5----1,2-Dichloropropane

10061-01-5---cis-1,3-Dichloropropene

47/3459

Lab Name: <u>STL Buffalo</u> Contrac	. <del>t.</del> :	SED-15
Lab Code: RECNY Case No.: SAS		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A	.5C05916
Sample wt/vol: $5.18$ (g/mL) $\underline{G}$	Iab File ID: Ω	8713.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 1	0/25/2005 10/26/2005
Moisture: not dec. <u>15</u> Heated Purge:	$\underline{Y}$ Date Analyzed: $\underline{1}$	1/05/2005
C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: _	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volum	e: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG</u> /	/KG Q
156-60-5trans-1,2-Dichloroet 75-71-8Dichlorodifluorometh 75-69-4Trichlorofluorometh 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloro 120-82-11,2,4-Trichlorobenze	nane 11 ane 11 11 11 11 11 11 11 11 11 11 11 11 11	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

48/3459

Lab Name	e: STL Buffalo	Contract:	_		SED-15		
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	C059			
Matrix:	(soil/water) SOIL		Lab Samp	le ID:	<u>A5C059</u>	16	
Sample w	t/vol: <u>5.1</u>	.8 (g/mL) <u>G</u>	Lab File	D:	<u>08713.</u>	RR	· .
Level:	(low/med) <u>LOW</u>	·	Date Sam	p/Recv:	10/25/	2005	10/26/2005
% Moistu	re: not dec. <u>14.8</u>		Date Ana	lyzed:	11/05/	2005	
GC Colum	n: <u>DB-624</u> ID	: 0.25 (mm)	Dilution	Factor:	1.	<u>00</u>	•
Soil Ext	ract Volume:	(uL)	Soil Alic	quot Volu	me:	·	_ (uL)
Number T	ICs found: <u>1</u>		CONCENTRATION (ug/L or to			<del></del>	
	CAS NO.	Compound Name	RT	Est. C	lonc.	Q	
·	1. 110-54-3	HEXANE	4.02		9	JN	

Lab Name: STL Buffal	.o Contract:		SED-1	.6	
	ase No.: SAS No.:		ı.		
Matrix: (soil/water)		Lab Sample ID:		17	
Sample wt/vol:	5 22 (c/mi) c			<u>-</u>	
		Lab File ID:	<u>Q8714.</u>	RR	
Level: (low/med)	LOW	Date Samp/Recv	: 10/25/	<u> 2005</u> <u>10/</u>	<u>26/2005</u>
% Moisture: not dec.	12 Heated Purge: Y	Date Analyzed:	11/05/	2005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	r: <u>1.</u>	00	
Soil Extract Volume:	(uL)	Soil Aliquot Vo	olume:	(	uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/kg)		. Q	
74-83-9 75-01-4 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 76-66-3 107-06-2 78-93-3 75-27-4 78-87-5 79-01-6 124-48-1 79-00-5 1061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7 100-42-5 1330-20-7	Methylene chlorideAcetoneCarbon Disulfide1,1-Dichloroethene1,1-DichloroethaneChloroform1,2-Dichloroethane2-Butanone1,1,1-TrichloroethaneCarbon TetrachlorideBromodichloromethane1,2-DichloropropaneCis-1,3-DichloropropeneTrichloroetheneDibromochloromethane1,1,2-TrichloroethaneBenzenetrans-1,3-DichloropropeneBromoform4-Methyl-2-pentanone2-HexanoneTetrachloroetheneTolueneTolueneChlorobenzeneEthylbenzene		11 11 11 5 11 5 2 11 11 11 11 11 11 11 11 11 11 11 11 1	ממממממממממממממממממממממממני נמממ	

# 50/3459

			t		
Lab Name: STL Buffal	Contract:		SED-1	.6	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: <u>C</u> 09	59		
Matrix: (soil/water)	SOIL	Lab Sample II	D: <u>A5C059</u>	17	
Sample wt/vol:		Lab File ID:	<u>08714.</u>	RR	
Level: (low/med)	WOI	Date Samp/Red	ev: <u>10/25/</u>	2005 <u>10/</u>	26/2005
% Moisture: not dec.	<u>12</u> Heated Purge: Y	Date Analyzeo	d: <u>11/05/</u>	<u> 2005</u>	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Fact	or:1.	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:	(	ս <b>L</b> )
CAS NO.	COMPOUND	CONCENIRATION UNI (ug/L or ug/Kg)		Q	
75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	trans-1,2-DichloroetheneDichlorodifluoromethaneTrichlorofluoromethaneMethyl acetateMethyl-t-Butyl Ether (MIBE)CyclohexaneMethylcyclohexaneMethylcyclohexane1,2-Dibromoethane1,3-Dichlorobenzene1,4-Dichlorobenzene1,2-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-Trichlorobenzene		11 11 11 11 11 11 11 2 11 11 11	ממממממממממ	

### DELIA - SOIL ASP 2000/8260 - TCL VOLATTLES TENTATIVELY IDENTIFIED COMPOUNDS

# 51/3459

Lab Name: STL Buffalo	Contract:		SED-16
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05917
Sample wt/vol: $\underline{5.22}$ (g/m	nL) <u>G</u>	Lab File ID:	<u>08714.RR</u>
Level: (low/med) <u>LOW</u>	•	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. <u>12.0</u>		Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
Number TICs found: 6		CONCENTRATION UNIT (ug/L or ug/Kg)	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN UNSATURATED HYDROCARBON HEXANE UNKNOWN UNKNOWN UNKNOWN	1.56	16	プ
2.		1.86	10	J
3. 110-54-3		4.02	8	J
4.		10.81	6	J
5.		11.79	6	J
6.		12.54	6	J

### 52/3459

Lab Name: STL Buffalo Contract:	SED-17
Lab Code: REKINY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05918
Sample wt/vol: $5.18$ (g/mL) $\underline{G}$	Lab File ID: <u>Q8703.RR</u>
Level: (low/med) <u>Low</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/200</u>
% Moisture: not dec. 13 Heated Purge: Y	Date Analyzed: <u>11/05/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>Ug/Kg</u> Q
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Acetone	11 U 11 U 11 U 11 U 11 U 11 U 11 U

# 53/3459

Lab Name: STL Buffalo Contract:		SED-17
Lab Code: RECNY Case No.: SAS No.:		·
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05918
Sample wt/vol: $\underline{5.18}$ (g/mL) $\underline{G}$	Lab File ID:	
Level: (low/med) <u>LOW</u>		10/25/2005 <u>10/26/2005</u>
% Moisture: not dec. <u>13</u> Heated Purge: Y		
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: _	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volum	ne: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>US</u>	:/KG Q
106-87-2Methylcyclohexane 106-93-41,2-Dibromoethane	1 1 1 1 1 1 1 1 1 1 1	1

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

54/3459

Lab Name	: SIL Buffalo	Contract:		SED-17		
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	<u>C059</u>		
Matrix:	(soil/water) SOIL		Lab Samp	ole ID: <u>A5C05</u>	918	
Sample w	t/vol: <u>5.1</u>	.8 (g/mL) <u>G</u>	Lab File	ID: <u>Q8703</u>	.RR_	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>10/25</u>	/2005 1	<u>0/26/2005</u>
% Moistu	re: not dec. <u>12.8</u>		Date Ana	lyzed: <u>11/05</u>	/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1	.00	
Soil Ext	ract Volume:	(uL)	Soil Ali	quot Volume: _		(nF)
Number T	ICs found:1		CONCENTRATE (ug/L or t	ION UNITS: ug/Kg) <u>UG/K</u>	3	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
					+	'

# 55/3459

Client No.

Lab Name: STL Buffalo	Contract:		SED-1	18	
	e No.: SAS No.:		59		
Matrix: (soil/water) <u>S</u>		Lab Sample II		919	
Sample wt/vol:	5.08 (a/mī) G	Lab File ID:	*		
			a.		<del>-</del>
Level: (low/med) <u>L</u>		Date Samp/Red	ev: <u>10/25/</u>	<u>2005</u> 10	<u>/26/2009</u>
% Moisture: not dec	<u>16</u> Heated Purge: <u>Y</u>	Date Analyzed	d: <u>11/05/</u>	<u> 2005</u>	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.</u>	<u>00</u>	
Soil Extract Volume: _	(uL)	Soil Aliquot	Volume:		(uL)
CAS NO.	COMPOUND	CONCENIRATION UNI (ug/L or ug/Kg)		Q	
74-83-9 75-01-4 75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 67-66-3 107-06-2 78-93-3 71-55-6 56-23-5 75-27-4 78-87-5 10061-01-5 124-48-1 179-00-5 124-48-1 179-00-5 124-48-1 179-00-5 124-48-1 179-00-5 124-48-1 179-00-5 124-48-1 179-00-5 124-48-1 179-01-6 124-48-1 179-01-6 124-48-1 108-88-3 108-88-3 108-88-3	Vinyl chloride Chloroethane Methylene chloride Acetone Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane 2-Dichloropropane 2-Dichloropropane 2-Trichloroethane 2-Dichloromethane 2-Dichloromethane 2-Dichloromethane 2-Dichloropropane 2-Injuration of the service of		12 12 12 12 12 12 12 12 12 12 12 12 12 1	מממממממממממממממממממממממממממ	
1330-20-7T 76-13-11 156-59-2c	otal Xylenes ,1,2-Trichloro-1,2,2-trifluon is-1,2-Dichloroethene	roethane	12 12 12 12	U U	

12

# 56/3459

	OFF. 3.0
Lab Name: STL Buffalo Contract:	SED-18
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05919
Sample wt/vol:	Lab File ID: Q8704.RR
	тар г.т.е тр; <u>00704.кк</u>
Level: (low/med) <u>IOW</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2009</u>
Moisture: not dec. <u>16</u> Heated Purge: Y	Date Analyzed: <u>11/05/2005</u>
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	12 U U U U U U U U U U U U U U U U U U U

## DELTA - SOIL ASP 2000/8260 - TCL VOLATTIES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: SIL Buffalo	Contract:		SED-18
Lab Code	e: <u>RECNY</u> Case No	o.: SAS No.:	_ SDG No.: <u>C059</u>	
Matrix:	(soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05919
Sample w	t/vol: <u>5.0</u>	8 (g/mL) <u>G</u>	Lab File ID:	Q8704.RR
Level:	(low/med) <u>IOW</u>		Date Samp/Recv	: <u>10/25/2005</u> <u>10/26/2005</u>
% Moistu	re: not dec. <u>16.4</u>		Date Analyzed:	11/05/2005
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Facto	r: <u>1.00</u>
Soil Ext	ract Volume:	(uL)	Soil Aliquot V	olume: (uL)
Number T	ICs found: <u>1</u>		CONCENTRATION UN (ug/L or ug/kg)	
	CAS NO.	Compound Name	RT Est	Conc

CAS NO. Compound Name	RT	Est. Conc.	Q
1. 110-54-3 HEXANE	4.02	6	NL

# 58/3459

		CITCIC NO
Lab Name: STL Buffalo Contract:		SED-19
Lab Code: RECNY Case No.: SAS No.:		
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C05922
Sample wt/vol: 5.06 (g/mL) G	Lab File ID:	Q8706.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. <u>6</u> Heated Purge: Y	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	g/kg Q
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1Acetone 75-15-0Carbon Disulfide 75-35-41,1-Dichloroethane		10 U U U U U U U U U U U U U U U U U U U
cm cc c		~~

74-87-3Chloromethane	10	U
74-83-9Bromomethane	10	lυ
75-01-4Vinyl chloride	10	U
75-00-3Chloroethane	10	ט
75-09-2Methylene chloride	_   10	Ū
67-64-1Acetone	10	U
75-15-0Carbon Disulfide	-  <del>1</del> 0	υ
75-35-41,1-Dichloroethene	10	Ū
75-34-31,1-Dichloroethane	10	υ
67-66-3Chloroform	10	.   <del>u</del>
107-06-21,2-Dichloroethane	10	Ū
78-93-32-Butanone	10	ן מ
71-55-61,1,1-Trichloroethane	10	Ū
56-23-5Carbon Tetrachloride	10	Tu l
75-27-4Bromodichloromethane	10	Ū
78-87-51,2-Dichloropropane	10	Ū
10061-01-5cis-1,3-Dichloropropene	10	ָט l
79-01-6Trichloroethene	10	υ
124-48-1Dibromochloromethane	10	U
79-00-51,1,2-Trichloroethane	10	TJ
71-43-2Benzene	10	II .
10061-02-6trans-1,3-Dichloropropene	10	U
75-25-2Brompform	10	U
108-10-14-Methyl-2-pentanone	10	U
591-78-62-Hexanone	10	Ū
127-18-4Tetrachloroethene	10	U
108-88-3Toluene	10	Ü
79-34-51,1,2,2-Tetrachloroethane	10	U
108-90-7Chlorobenzene	10	Ū
100-41-4Ethylbenzene	10	Ū
100-42-5Styrene	10	II I
1330-20-7Total Xylenes	10	บ
76-13-11,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
156-59-2cis-1,2-Dichloroethene	10	TI
	1	1

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Lab Name: STL Buffalo Contract:	SED-19	
Lab Code: RECNY Case No.: SAS No.:		
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05922	
Sample wt/vol:		·
	Lab File ID: <u>Q8706.RF</u>	<u></u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/25/20</u>	05 10/26/2005
% Moisture: not dec6 Heated Purge: Y	Date Analyzed: 11/05/20	<u>05</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene	10 10 10 10 10 10 10 10 10 10 10 10	0 0 0 0 0 0 0 0

### DELTA - SOLL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	e: STL Buffalo	Contract:				SED-19		
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	_ S	DG No.:	<u>C059</u>			
Matrix:	(soil/water) SOIL		]	Lab Samp	le ID:	<u>A5C0592</u>	22	
Sample w	t/vol: 5.0	<u>06</u> (g/mL) <u>G</u>	J	Lab File	· ID:	<u>08706.</u> I	R.	
Level:	(low/med) <u>LOW</u>		I	Date Sam	p/Recv:	10/25/2	2005	10/26/2005
% Moistu	re: not dec. <u>6.4</u>	<u>l</u>	I	Date Ana	lyzed:	11/05/2	2005	
GC Colum	n: <u>DB-624</u> II	0: <u>0.25</u> (mm)	Ι	Dilution	Factor:	1.0	00	
Soil Ext	ract Volume:	(uL)	٤	Boil Ali	quot Vol	.ume:		_ (uL)
Number T	ICs found:0			CENIRAT 1g/L or 1		s: <u>ug/kg</u>	-	
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	
								╡

# 61/3459

Tab Nam	ਅ ਵਿੱਚ Buff	falo	G		[;	SED-19A		
TWO INGIE	e. <u>pro par</u>	<u>falo</u>	Contract:	· · · · · · · · · · · · · · · · · · ·	L			
Lab Cod	le: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.:	<u>C059</u>			
Matrix:	(soil/wate	er) <u>soil</u>		Lab Sample	e ID: <u>A</u>	5C05920	-	
Sample	wt/vol:	_ <u>5.14</u> (g/mL)	<u>G</u>	Lab File 1	D: <u>Q</u>	8705.RR	· <del>-</del> · · · · · ·	_
Level:	(low/med)	LOW		Date Samp/	Recv: 10	0/25/200	5 <u>10/</u>	<u>/26/2005</u>
∛ Moist	ure: not de	ec. <u>23</u> Heated	l Purge: <u>Y</u>	Date Analy	zed: <u>1</u> 1	1/05/200	5	
Colu	mn: <u>DB-624</u>	ID: <u>0.25</u> (m	m)	Dilution F	actor: _	1.00		
30il Ext	tract Volum	ne: (uL)		Soil Aliqu	ot Volume	e:	(	uL)
		•		CONCENTRATION	ת אודידים.			
	CAS NO.	COMPOUND		(ug/L or ug/K		/KC	Q	
		· · · · · · · · · · · · · · · · · · ·		(43) 01 (43) 21	<i>51</i> <u>557</u>		<u> </u>	-
	74-87-3	Chloromethan	e		13	3   <sub>T</sub>	J .	
•	74-83-9	Bromomethane			13	1 -		İ
	75-01-4	Vinyl chloric	de		13			-
					13			
	75-09-2	Methylene ch	loride		13		, ,	
	67-64-1	Acetone		į.	13			1
	75-15-0	Carbon Disul:	Fida					•
	75-35-4	1,1-Dichloro	t-popo		13			
	75-34-3	1,1-Dichloro	thore		13	,		İ
	67-66-3	Chloroform	errerie		13	I .		
	107-06-3	1 2 D4 -1-1			13	1		ļ
	70 02 2	1,2-Dichloroe	etnane		13			İ
	170 23				13		ſ	
	/1-55-6	1,1,1-Trichlo	proethane		13	/U	F	Í
	120-23-2	Carbon Tetrac	nloride		13	ט	f	ļ
	1/3-2/-4		methane		13	ט	ī	
	78-87-5 <b>-</b>	1,2-Dichlorop	propane		13	υ	ī	·
	10061-01-5	cis-1.3-Dichl	oropropene		13			
	1/2-01-0	iricnioroethe	ne ·		13			
	124-48-1	Dibromochloro	methane		13	ΰ		
	79-00-5	1,1,2-Trichlo	roethane		13	บ		,
	71-43-2	Benzene			13	ט		
	10061-02-6	trans-1,3-Dic	hlomommene	<u>_</u>	13	ט		
	75-25-2	Bromoform			. 13			
		4-Methyl-2-pe	ntanone		13	1 -		
	591-78-6 <b>-</b> -	2-Hexanone				U		
		Tetrachloroet	hono		13	U		
-	108-88-3	Toluene	17710		13	U	ļ	
		1,1,2,2-Tetra	ahl omosther		13	ט	İ	
	108-90-7-	Chlorobenzene	аногоеплапе		13	Ū		
İ	100-70-7-4	Ethylbenzene			13	U	l	
	100-41-4-~·	zulymenzene_	· · · · · · · · · · · · · · · · · · ·		13	U	ļ	
	1000-42-5	Styrene			13	υ	İ	
	1330-20-7	Total Xylenes			13	ប		
	/b-13-1	1,1,2-Trichlo	1,2,2-triflu	oroethane	13	U		
	±56-59-2	cis-1,2-Dichlo	proethene		13	17		

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Lab Name: STL Buffalo	Contract:		SED-19A	
Lab Code: <u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.: <u>C059</u>		
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05920	
Sample wt/vol:	5.14 (g/mL) <u>G</u>	Lab File ID:	Q8705.RR	
Level: (low/med)	LOW	Date Samp/Recv:	10/25/200	05 10/26/2005
% Moisture: not dec.	23 Heated Purge: Y	Date Analyzed:	11/05/200	<u>)5</u>
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume:	(uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND	CONCENIRATION UNITS (ug/L or ug/Kg)		Q .
75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1	4-1); ch   0330hangana		13 13 13 13 13 13 13 13 13 13 13	บ บ บ บ บ บ บ บ บ

### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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10 JN

Lab Name	: STL Buffalo	Cont:	ract:			SED-19A	<u> </u>	
Lab Code	: <u>RECNY</u> Case	No.:	SAS No.:	SDG No.:	<u>C059</u>			
Matrix:	(soil/water) SOI	<u>L</u>		Lab Sam	ple ID:	<u>A5C059</u>	20	
Sample w	t/vol: <u>5</u>	<u>.14</u> (g/mL) <u>G</u>		Lab Fil	e ID:	<u>Q8705.</u>	RR	
Level:	(low/med) <u>LOW</u>			Date Sa	mp/Recv:	10/25/	<u> 2005</u> <u>1</u>	L0/26/2005
% Moistu	re: not dec. <u>23</u>	<u>.1</u>		Date An	alyzed:	11/05/	<u> 2005</u>	
GC Colum	n: <u>DB-624</u>	D: <u>0.25</u> (mm)		Dilutio	n Factor:	1.	00	
Soil Exti	ract Volume:	(uĽ)		Soil Al	iquot Vol	lume:		(uL)
Number T	ICs found:1			CONCENTRA (ug/L or			<del>-</del>	.•
	CAS NO.	Comp	ound Name	RT	Est.	Conc.	Q	1
	1. 110-54-3	HEXANE		4.02		10	JN	1

Lab Name: STL Buffalo	Contract:		TP-21
Lab Code: RECNY Case No.:	SAS No.:	_ SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05901
Sample wt/vol: $\underline{5.10}$ (g/mL)	<u>G</u>	Lab File ID:	Q8716.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: not dec. <u>15</u> Heate	d Purge: <u>Y</u>	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (1	mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
		**************************************	

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Tab Name: STL Buffalo	Contract:		TP-21	de	
Did Dender	Concrace.	<del></del>			
Lab Code: <u>RECNY</u> Case	e No.: SAS No.:	SDG No.:	<u>C059</u>		
Matrix: (soil/water) <u>S</u>	<u> DIL</u>	Lab Sample	D: <u>A5C059</u>	001	
Sample wt/vol:	<u>5.10</u> (g/mL) <u>G</u>	Lab File 1	D: <u>Q8716</u> .	RR	<u></u>
Level: (low/med) <u>I(</u>	<u>WC</u>	Date Samp/	'Recv: <u>10/24/</u>	<u>2005 10</u>	/26/2005
% Moisture: not dec.	15 Heated Purge: Y	Date Analy	zed: <u>11/05/</u>	2005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution F	actor: <u>1.</u>	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliqu	ot Volume: _		(uL)
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		. Ō	
75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	Methylcyclohexane 1,2-Dibromoethane Isopropylbenzene		12 12 12 12 12 12 14 17 12 12 12 12 12 12	ם ממט נטטטט ניטטטטטטטטטטטטטטטטטטטטטטטטטטט	

# DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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(ug/L or ug/Kg) <u>UG/KG</u>

Client No.

Lab Name: STL Buffalo Contr	ract:		TP-21
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05901
Sample wt/vol: $\underline{5.10}$ (g/mL) $\underline{G}$		Lab File ID:	Q8716.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: not dec. 14.8	4.	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Factor:	1.00
Soil Extract Volume: (uL)	4.	Soil Aliquot Vol	ume: (uL)
_	C	ONCENTRATION UNIT	S:

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 5. 6. 7. 8. 9.	SATURATED HYDROCARBON SATURATED HYDROCARBON SATURATED HYDROCARBON SATURATED HYDROCARBON UNKNOWN UNKNOWN SATURATED HYDROCARBON SATURATED HYDROCARBON UNKNOWN SATURATED HYDROCARBON UNKNOWN SATURATED HYDROCARBON	8.54 9.80 10.07 10.83 11.01 11.32 11.68 11.79 12.15 12.40	32 78 39 140 28 31 100 54 38 45	J J J J J J J J J J J J J J J J J J J

Number TICs found: 10

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Client No.

Iab Name: STT. Ruffal	o Contract:		TP-23		
Lab Code: <u>RECNY</u> C	'ase No.: SAS No.:	SDG No.: <u>C059</u>	_		
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C0590</u>	)2	
Sample wt/vol:		Lab File ID:	<u>0</u> 8696.F	er .	_
Level: (low/med)	TOM	Date Samp/Recv	: 10/24/2	2005 10	<u>/26/2005</u>
% Moisture: not dec.	25 Heated Purge: Y	Date Analyzed:	11/05/2	2005	
GC Column: DB-624	ID: _0.25 (mm)	Dilution Factor	r: <u>1.0</u>	<u>00</u>	
Soil Extract Volume:	(uL)	Soil Aliquot Vo	olume:		(uL)
	•	CONCENIRATION UNITS	<b>7</b> .		
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Q	
74-87-3	Chloromothano			<del></del>	7
74-83-9	Chloromethane Bromomethane		13	U	
11 1 00 0			13	ū	Ì
75-01-4	Vinyl chloride		13	U	
			13	U	ļ
75-09-2	Methylene chloride		13	U	
67-64-1	Acetone		170		Ì
75-15-0	Acetone Carbon Disulfide		13	U	
1/5-35-4	1.1-Dichlomoethene	i i	13	ט	1
75-34-3	1,1-Dichloroethane		13	Ū	
16/~66-3~~	UILOMIOM		13	บ	ĺ
107-06-2	1,2-Dichloroethane		13	ט	
78-93-3				١٥	
71-55-6	2 Ducarone		55 13	 	
71-55-0	1,1,1-Trichloroethane		13	u	1
126-23-3	Carbon Tetrachloride		13	U	
75-27-4	Bromodichloromethane		13	ប	1
/8-8/ <del>-</del> 5	·1,2-Dichloropropane		13	U	
10061-01-5	cis-1,3-Dichioropropene	ĺ	13	שׁן	1
1/3-07-0	iticilioloefuebe		13	ט	ł
	Dibromochloromethane		13	บ	
	1,1,2-Trichloroethane		13	U	
71-43-2			13	υ	1
10061-02-6	trans-1,3-Dichloropropene	٠.	13	บ	
75-25-2	Bromoform	<del></del>	13	Ϊ́υ	
	4-Methyl-2-pentanone		13	Ū	
591-78-6	2-Hexanone		13	Ū	
127-18-4	Tetrachloroethene		13	Ū	ļ
108-88-3	Toluone			ŧ	
	1,1,2,2-Tetrachloroethane		13	U	
108_00 7	1,1,2,2-ietrachtoroethane Chlorobenzene		13	υ	
			13	U	
100-41-4	Ethylbenzene		13	U	1
100-42-5	scyrene		13	U	
	Total Xylenes		13	U	-
76-13-1	1,1,2-Trichloro-1,2,2-triflu	oroethane	13	U	
156-59-2	cis-1,2-Dichloroethene		13	ប	

# 68/3459

Lab Name: SIL Buffalo Contract:		TP-23	
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05902	
Sample wt/vol: 5.19 (g/mL) G	Lab File ID:	Q8696.RR	<del></del>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/24/2005	10/26/2005
% Moisture: not dec. <u>25</u> Heated Purge: Y	Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	lume:	_ (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/kg)		Q
106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene		13 U 13 U 13 U 13 U 13 U 13 U 13 U 13 U	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

69/3459

Lab Name: STL Buffalo Contract:		TP-23		
Lab Code: RECNY Case No.: SAS No.:	SDG No.: COS	59		
Matrix: (soil/water) SOIL	Lab Sample	ID: <u>A5C059</u>	02	
Sample wt/vol: $\underline{5.19}$ (g/mL) $\underline{G}$	Lab File II	D: <u>Q8696.</u> ]	RR	
Level: (low/med) <u>LOW</u>	Date Samp/F	Recv: <u>10/24/</u>	2005 <u>10</u>	/26/2005
% Moisture: not dec. 24.7	Date Analyz	zed: <u>11/05/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fa	actor: 1.0	<u>00</u>	
Soil Extract Volume: (uL)	Soil Alique	ot Volume:		(uL)
Number TICs found: <u>1</u>	CONCENTRATION (ug/L or ug/	iunits: (Kg) <u>ug/kg</u>	-	
CAS NO. Compound Name	RT	Est. Conc.	Q	

70/3459

					TP-26	
Lab Name	e: <u>STL Buffalo</u>	C	ontract:		1F-26	
Lab Code	e: <u>RECNY</u> Case	e No.:	SAS No.:	SDG No.: <u>C05</u> 9	9	·
Matrix:	(soil/water) <u>sc</u>	<u> IL</u>		Lab Sample ID	: <u>A5C0590</u>	)3
Sample w	vt/vol: _	<u>5.13</u> (g/mL) <u>G</u>	,	Lab File ID:	<u>0</u> 8709.F	R.
Level:	(low/med) <u>IC</u>	<u>W</u>		Date Samp/Reco	7: <u>10/24/2</u>	<u> 10/26/2005</u>
% Moistu	re: not dec	10 Heated 1	Purge: <u>Y</u>	Date Analyzed	: 11/05/2	:005
GC Colum	m: <u>DB-624</u>	ID: <u>0.25</u> (mm	)	Dilution Facto	or: <u>1.0</u>	00
Soil Ext	ract Volume: _	(uL)	·	Soil Aliquot V	Molume:	(uL)
	CAS NO.	COMPOUND		CONCENTRATION UNIT (ug/L or ug/Kg)		Q
	74-87-3 74-83-9 75-01-4	Bromomethane _			11 11 11	U U U

CAS NO.	COMPOUND (1	ıg/Li or ug/Kg)	<u>UG/KG</u>	Q	
	Chloromethane		11	U	
	Bromomethane		11	υ	
75-01-4	Vinyl chloride		11	υ	
	Chloroethane		11	ប	
75-09-2	Methylene chloride		11	U	
67-64-1	Acetone		16		
	Carbon Disulfide		11	υ	
75-35-4	1,1-Dichloroethene		11	ប	
75-34-3	1,1-Dichloroethane	-	11	U	
	Chloroform		11	U	
107-06-2	1,2-Dichloroethane		11	U	
	2-Butanone		11	U	
71-55-6	1,1,1-Trichloroethane		11	U	
56-23-5	Carbon Tetrachloride		11	υ	
75-27-4	Bromodichloromethane	<u> </u>	11	U	
78-87-5	1,2-Dichloropropane		11	U	
10061-01-5-	cis-1,3-Dichloropropene		11	U	
	Trichloroethene		11	U	
	Dibromochloromethane		11 .	U	ı
	1,1,2-Trichloroethane	·	11	U	
71-43-2		'	11	U	
10061-02-6-	trans-1,3-Dichloropropene	."	11	U 4	
	Bromoform		1.1	U	
	4-Methyl-2-pentanone_		11	U	
	2-Hexanone		11	U	
	Tetrachloroethene	·	11	U	
108-88-3			11	ש	
79-34-5	1,1,2,2-Tetrachloroethane		11	U	1
	Chlorobenzene		11	U	
100-41-4	Ethylbenzene		11	JU	
100-42-5	Styrene		11	U	
1330-20-7	Total Xylenes		11	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroet	thane	11	U	
156-59-2	cis-1,2-Dichloroethene		11	U	
		,			

# 71/3459

Lab Name: <u>STL Buffalo</u> (	'optract•		TP-26		
		10.000	<u>-</u>		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>CO</u> !	<u>59                                    </u>		
Matrix: (soil/water) <u>SOIL</u>	•	Lab Sample II	): <u>A5C059</u> (	)3	
Sample wt/vol: $\underline{5.13}$ (g/mL) $\underline{9}$	<u>}_</u>	Lab File ID:	<u>08709.</u> I	R.	-
Level: (low/med) <u>LOW</u>		Date Samp/Red	ev: <u>10/24/2</u>	2005 10/	<u>/26/2005</u>
% Moisture: not dec. <u>10</u> Heated	Purge: <u>Y</u>	Date Analyzeo	d: <u>11/05/2</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm	)	Dilution Fact	or: <u>1.0</u>	<u>00</u>	
Soil Extract Volume: (uL)		Soil Aliquot	Volume:		(uL)
CAS NO: COMPOUND		CONCENTRATION UNI (ug/L or ug/Kg)		Q	·
156-60-5trans-1,2-Dick 75-71-8Dicklorodiflux 75-69-4Trickloroflux 79-20-9Methyl acetate 1634-04-4Cyclohexane 108-87-2Methylcyclohex 106-93-41,2-Dibromoetl 98-82-8Isopropylbenze 541-73-11,3-Dicklorobe 106-46-71,4-Dicklorobe 95-50-11,2-Dibromo-3- 120-82-11,2,4-Tricklor	cromethane romethane ell Ether (MTBE)  kane hane ene enzene enzene chloropropane		11 11 11 11 11 11 11 11 11 11 11	ם ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

72/3459

Client No.

Lab Name: STL Buffalo	Contract:		TP-26
Des Indio. Del Dellato	Officiact:	•	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	<u>A5C05903</u>
Sample wt/vol: $\underline{5.13}$ (g/mL)	<u>G</u> _	Lab File ID:	<u>08709.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: not dec. 9.7		Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (r	rm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	9.81	130	J
2.	SATURATED HYDROCARBON	10.07	84	J .
3.	ALKYLCYCLOALKANE	10.37	90	Ĵ
4.	SATURATED HYDROCARBON	10.49	110	J
5.	SATURATED HYDROCARBON	10.57	190	J
6.	SATURATED HYDROCARBON	10.83	670	J
<b>7.</b> .	UNKNOWN	11.00	150	J
8.	DECAHYDRONAPHTHALENE DER.	11.32	240	J
9.	SATURATED HYDROCARBON	11.68	140	J
10.	UNKNOWN	11.78	92	J

Number TICs found: 10

### 73/3459

No.

	Client No
TP-28	3
SDG No.: <u>C059</u> _	
Lab Sample ID: A5C059	905
Lab File ID: <u>08711.</u>	RR
Date Samp/Recv: 10/25/	<u>/2005</u> <u>10/26/2005</u>
Date Analyzed: <u>11/05/</u>	<u> 2005</u>
Dilution Factor:1.	<u>00</u>
Soil Aliquot Volume:	(uL)
CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
14 14 14 2 14 36 14 14 14 14 14 14 14	ם ני מי מי מי מי מי מי מי מי מי מי מי מי מי
	SDG No.: C059  Lab Sample ID: A5C059  Lab File ID: Q8711.  Date Samp/Recv: 10/25/  Date Analyzed: 11/05/  Dilution Factor: 1.  Soil Aliquot Volume: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG  14 14 14 14 14 14 14 14 14 14 14 14 14

74/3459

Lab Name: STL Buffalo Contract:		TP-28
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	_
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05905
Sample wt/vol: 5.16 (g/mL) G	Lab File ID:	Q8711.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. <u>34</u> Heated Purge: Y	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)	
106-46-71,4-Dichlorobenzene		14 U U 14 U 14 U 14 U 14 U 14 U 14 U 11 U 11 U 14 U 11 U 14 U 11 U 14 U 11 U 14 U 11 U 14 U 14 U 14 U 14 U 14 U 14 U 14 U 14 U 14

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

75/3459

Client No.

Lab Name: STL Buffalo	Contract:	<del>_</del>	TP-28
Lab Code: RECNY Case No.:	_ SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05905
Sample wt/vol: 5.16 (g/mL	) <u>G</u>	Lab File ID:	Q8711.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. 33.5		Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	.ume: (uL)
Number TICs found: 10		CONCENIRATION UNIT	-

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 103-65-1 2. 3. 4. 5. 6. 7. 8. 9.	N-PROPYLBENZENE UNSATURATED HYDROCARBON UNKNOWN TRIMETHYLBENZENE ISOMER ALKYLSUBSTITUTED COMPOUND DIETHYLBENZENE ISOMER UNKNOWN ALKYLBENZENE DERIVATIVE UNKNOWN ALKYLBENZENE DERIVATIVE	9.71 9.92 10.07 10.20 10.34 10.71 10.80 11.10 11.21 11.78	42 28 36 28 52 29 51 41 35	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(ug/L or ug/Kg)

UG/KG

### 76/3459

Client No.

Lab Name: STL Buffalo	Contract:		TP-30
Lab Code: RECNY Case No.:			
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05907
Sample wt/vol: $\underline{4.08}$ (g/mL)	<u>G</u>	Lab File ID:	Q8569.RR
Level: (low/med) MED	•	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec6 Heated	d Purge: <u>N</u>	Date Analyzed:	11/01/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (r	m)	Dilution Factor:	1.00
Soil Extract Volume: 10000 (uL)	. <del>*</del>	Soil Aliquot Vol	ume: <u>100.00</u> (uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 74-87-3-----Chloromethane 1300 U 74-83-9-----Bromomethane 1300 U 75-01-4-----Vinyl chloride 1300 U 75-00-3-----Chloroethane U 1300 75-09-2----Methylene chloride U 1300 67-64-1----Acetone 1300 IJ 75-15-0-----Carbon Disulfide U 1300 75-35-4----1,1-Dichloroethene U 1300 75-34-3----1,1-Dichloroethane U 1300 67-66-3-----Chloroform 1300 U 107-06-2----1,2-Dichloroethane 1300 U 78-93-3-----2-Butanone U 1300 71-55-6----1,1,1-Trichloroethane U 1300 56-23-5-----Carbon Tetrachloride U 1300 75-27-4----Bromodichloromethane 1300 IJ 78-87-5----1,2-Dichloropropane U 1300 10061-01-5---cis-1,3-Dichloropropene 1300 U 79-01-6----Trichloroethene 1300 U 124-48-1----Dibromochloromethane Ų 1300 79-00-5-----1,1,2-Trichloroethane 1300 U 71-43-2----Benzene U 1300 10061-02-6---trans-1,3-Dichloropropene IJ 1300 75-25-2----Bromoform U 1300 108-10-1----4-Methyl-2-pentanone U 1300 591-78-6---2-Hexanone 1300 U 127-18-4----Tetrachloroethene U 1300 108-88-3----Toluene IJ 1300 79-34-5----1,1,2,2-Tetrachloroethane U 1300 108-90-7-----Chlorobenzene 2100 100-41-4----Ethylbenzene U 1300 100-42-5----Styrene U 1300 1330-20-7----Total Xylenes 1300 IJ 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane 1300 U 156-59-2----cis-1,2-Dichloroethene 1300

77/3459

Lab Name: STL Buffalo Contract:		TP-3	0	
COMOL CONTRACTOR CONTR	······································			
Lab Code: <u>REXINY</u>	SDG No.: C	059		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample	ID: <u>A5C05</u>	907	
Sample wt/vol: $4.08$ (g/mL) $G$	Lab File II	: <u>Q8569</u>	.RR	<del>-</del>
Level: (low/med) MED	Date Samp/R	ecv: <u>10/25</u>	<u>/2005 10</u>	/26/2005
Moisture: not dec. <u>6</u> Heated Purge: N	Date Analyz	ed: <u>11/01</u>	<u>/2005</u>	
C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fa	ctor: 1	.00	
Soil Extract Volume: 10000 (uL)	Soil Aliquo	t Volume: _	100.00	(uL)
CAS NO. COMPOUND	CONCENIRATION U (ug/L or ug/Kg		Q	
156-60-5trans-1,2-Dichloroethene		1300		7
75-71-8Dichlorodifluoromethane		1300	ប	-
/5-69-4Trichlorofluoromethane		1300	ប	
179-20-9Methyl acetate	j	1300	ប	
1634-04-4Methyl-t-Butyl Ether (MIBE)		1300	U	
110-82-7Cyclohexane		1300	ប	
108-87-2Methylcyclohexane	Į.	1300	υ	
106-93-41,2-Dibromoethane		1300	ľυ	
98-82-81\$Opropy1benzene	1	1300	U	1
541-73-11,3-Dichlorobenzene		1300	[U	
106-46-71,4-Dichlorobenzene		400	J	
95-50-11,2-Dichlorobenzene		1300	U	
96-12-81,2-Dibromo-3-chloropropane		1300	U	}
120-82-11,2,4-Trichlorobenzene		1300	ប	1

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

78/3459

Lab Name	e: STL Buffalo	Contract:		TP-3	30	
Lab Code	e: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	<u>C059</u>		
	(soil/water) SOIL			le ID: <u>A50</u>	<u>:05907</u>	
Sample w	t/vol: $4.0$	08 (g/mL) <u>G</u>	Lab File	ID: <u>Q85</u>	69.RR	
Level:	(low/med) <u>MED</u>	•	Date Sam	p/Recv: <u>10/</u>	<u>25/2005</u> <u>1</u>	0/26/2005
% Moistu	re: not dec. <u>6.1</u>		Date Ana	lyzed: <u>11/</u>	01/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Ext	ract Volume: 10000	(uL)	Soil Alid	quot Volume:	100.00	(uL)
Number T	ICs found: 0		CONCENIRATE	CON UNITS; ng/Kg) <u>UG</u>	/KG	
	CAS NO.	Compound Name	RT	Est. Conc	. Q	]
;						i

### 79/3459

* 1 ·	TP-32
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05906
Sample wt/vol: $\underline{5.10}$ (g/mL) $\underline{G}$	Lab File ID: <u>Q8701.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/200</u>
% Moisture: not dec. <u>17</u> Heated Purge: Y	Date Analyzed: <u>11/05/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CRC NO CONTROLL	CONCENTRATION UNITS:
CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u> Q
74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1	2 JJ 5 JJ 17 12 U 12 U 12 U 12 U 12 U 12 U 12 U 12 U
75-25-2Bromoform  108-10-14-Methyl-2-pentanone  591-78-62-Hexanone  127-18-4Tetrachloroethene  108-88-3Toluene  79-34-51,1,2,2-Tetrachloroethane  108-90-7Chlorobenzene  100-41-4Ethylbenzene  100-42-5Styrene  1330-20-7Total Xylenes  76-13-11,1,2-Trichloro-1,2,2-trif  156-59-2cis-1,2-Dichloroethene	12 U U 12 U U 12 U U U U U U U U U U U U

### 80/3459

<del>-</del> )	CTT D & C 2	<b></b>				TP-32		
Lab Name:	SIL Buffalo	Cont	ract:		•	<u> </u>		
Lab Code:	<u>RECNY</u> Cas	e No.: S	AS No.:	_ SDG No.:	<u>C059</u>			
Matrix: (s	soil/water) <u>S</u>	OIL		Lab Sample	e ID: <u>A</u>	A5C05906	<del>_</del>	
Sample wt/	/vol: _	5.10 (g/mL) <u>G</u>		Lab File :	ID: (	08701.RR		
Level: (	(low/med) $\underline{L}$	<u>OW</u>		Date Samp,	/Recv: <u>:</u>	<u>10/25/200</u>	5 <u>10/2</u>	6/2005
% Moisture	e: not dec	17 Heated Pur	ge: <u>Y</u>	Date Analy	yzed: <u>]</u>	11/05/200	5	
GC Column:	: <u>DB-624</u>	ID: <u>0.25</u> (mm)		Dilution I	Factor: _	1.00		
Soil Extra	act Volume: _	(uL)		Soil Aliq	uot Volum	me:	(u	L)
C	CAS NO.	COMPOUND	·	CONCENTRATION (ug/L or ug/L		g/KG	Q	
7 7 7 1 1 1 9 5 1 9	75-71-8 75-69-4 79-20-9 .634-04-4 .10-82-7 .06-83-4 .06-93-4 .88-82-8 .641-73-1 .06-46-7 .95-50-1	-trans-1,2-Dichlor-Dichlorodifluorom-Trichlorodifluorom-Methyl acetate -Methyl-t-Butyl Et-Cyclohexane -Methylcyclohexane -Methylcyclohexane -1,2-Dibromoethane -Isopropylbenzene -1,3-Dichlorobenze -1,4-Dichlorobenze -1,2-Dibromo-3-chl -1,2,4-Trichlorobe	methane ethane ther (MIBE) ene ene ene eoropropane		3 3 3 3 3 3	12 12 12 12 7 2 12 13 15 12 12 12 12 12 12 12 12 12 12 12 12 12		

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

81/3459

Client No.

Lab Name: SIL Buffalo	Contract:		TP-32
Lab Code: REXCNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05906
Sample wt/vol: 5.10 (g/mL)	<u>G</u>	Lab File ID:	<u>O8701.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/200
% Moisture: not dec. 17.2		Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) · <u>UG/KG</u>

Soil Aliquot Volume: \_\_\_\_ (uL)

Number TICs found: 10

Soil Extract Volume: \_\_\_\_ (uL)

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 1678-93-9 4. 5. 6. 7. 8. 9.	UNKNOWN SATURATED HYDROCARBON BUTYLCYCLOHEXANE SATURATED HYDROCARBON SATURATED HYDROCARBON SATURATED HYDROCARBON SATURATED HYDROCARBON SATURATED HYDROCARBON UNKNOWN DECAHYDRONAPHTHALENE DER.	9.80 10.07 10.37 10.43 10.46 10.49 10.57 10.83 11.00 11.32	280 300 210 140 97 120 180 400 130 180	U U U U U U U U U U U U U U U U U U U

### 82/3459

Client No.

Tala Managara Cura Daggara	G		TP-34
Lab Name: <u>STL Buffalo</u>	Contract:	·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05908
Sample wt/vol:	mL) <u>G</u>	Lab File ID:	<u>08712.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: not dec. 21 He	ated Purge: <u>Y</u>	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.2</u>	<u>5</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL	)	Soil Aliquot Volu	me: (uL)

### CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane		5	J
74-83-9	Bromomethane		12	ט
75-01-4	Vinyl chloride		12	U
75-00-3	Chloroethane		4	J
75-09-2	Methylene chloride		12	U
67-64-1	Acetone		13	
75-15-0	Carbon Disulfide		12	ט
75-35-4	1,1-Dichloroethene		12	ע
75-34-3	1,1-Dichloroethane		12	U
67-66-3	Chloroform		12	U
107-06-2	1,2-Dichloroethane		12	ט
78-93-3	2-Butanone		12	ט
71-55-6	1,1,1-Trichloroethane		12	U
56-23-5	Carbon Tetrachloride	-	12	U
75-27-4	Bromodichloromethane		12	U
78-87-5	1,2-Dichloropropane		12	Ū
10061-01-5	cis-1,3-Dichloropropene		12	U
79-01-6	Trichloroethene	<del></del>	12	U .
124-48-1	Dibromochloromethane		12	U
79-00-5	1,1,2-Trichloroethane		12	ט
71-43-2	Benzene		2	J
10061-02-6	trans-1,3-Dichloropropene		12	ט
75-25-2	Bromoform		. 12	. ט
108-10-1	4-Methyl-2-pentanone		12	U
591-78-6	2-Hexanone		12	U
127-18-4	Tetrachloroethene		12	U
108-88-3	Toluene		12	U
79-34-5	1,1,2,2-Tetrachloroethane		12	U
108-90-7	Chlorobenzene		12	U
100-41-4	Ethylbenzene	<u> </u>	12	ט
100-42-5	Styrene		12	U
1330-20-7	Total Xylenes		12	U
	1,1,2-Trichloro-1,2,2-trifluo	roethane	12	ט
	cis-1,2-Dichloroethene		12	U

83/3459

Lab Name: STL Buffalo Contract:	·	TP-34		
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	<u>.</u>		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C0590	)8	
Sample wt/vol: 5.08 (g/mL) G	Lab File ID:	<u>08712.</u> F	R.	•
Level: (low/med) <u>LOW</u>	Date Samp/Recv	: 10/25/2	2005 10/	<u>/26/2005</u>
% Moisture: not dec. <u>21</u> Heated Purge: <u>Y</u>	Date Analyzed:	11/05/2	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	r: <u>1.0</u>	00	
Soil Extract Volume: (uL)	Soil Aliquot V	olume:		ūΓ')
CAS NO. COMPOUND	CONCENIRATION UNITS (ug/L or ug/Kg)		Q	
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		12 12 12 12 12 12 12 12 12 12 12 12 12 1	ם ם ם ם ם ם ם ם ם	

## DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

84/3459

Client No.

		TP-34	
Lab Name: STL Buffalo	Contract:		

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol:  $\underline{5.08}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{O8712.RR}$ 

Level: (low/med) Low Date Samp/Recv:  $\underline{10/25/2005}$   $\underline{10/26/2005}$ 

% Moisture: not dec. <u>20.8</u> Date Analyzed: <u>11/05/2005</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: \_\_\_\_1.00

Soil Extract Volume: \_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_ (uL)

CONCENTRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) <u>UG/KG</u>

	CAS NO.	Compound Name	RT	Est. Conc.	Q.
1.		UNKNOWN	1.56	35	J
2.		UNKNOWN	9.35	27	J
3.		UNKNOWN	9.81	49	J
4.		SATURATED HYDROCARBON	10.06	49	J
5.		ALKYLCYCLOHEXANE	10.37	44	J
6.		UNKNOWN	10.49	33	J
7.		SATURATED HYDROCARBON	10.57	42	J.
8.		SATURATED HYDROCARBON	10.83	130	J
9.	•	UNKNOWN	11.00	44	J
10.		DECAHYDRONAPHIHALENE DER.	11.32	61	J ·

### 85/3459

·	
Lab Name: STL Buffalo Contract:	TP-35
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05909
Sample wt/vol: $4.19$ (g/mL) $G$	Lab File ID: <u>Q8571.RR</u>
Level: (low/med) MED	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: not dec. <u>27</u> Heated Purge: N	Date Analyzed: <u>11/01/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: 10000 (uL)	Soil Aliquot Volume:100.00 (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
74-87-3Chloromethane	1600 U

~~ ~		CONCENIRATION UN		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
74-87-3	Chloromethane		1600	U
74-83-9	Bromomethane		1600	Ū
75-01-4	Vinyl chloride		1600	Ū
75-00-3	Chloroethane		1600	υ
75-09-2	Methylene chloride		1600	บ
67-64-1	Acetone	-	1600	IJ
	Carbon Disulfide	-	1600	Ū
75-35-4	1,1-Dichloroethene		1600	U
75-34-3	1,1-Dichloroethane		1600	Ū
67-66-3	Chloroform		1600	U
107-06-2	1,2-Dichloroethane		1600	υ
78-93-3	2-Butanone		1600	ט
71-55-6	1,1,1-Trichloroethane		1600	U
56-23-5	Carbon Tetrachloride		1600	ט ו
75-27-4	Bromodichloromethane		1600	<u></u> ע
78-87-5	1,2-Dichloropropane		1600	Ū
10061-01-5	cis-1,3-Dichloropropene		1600	ן מן
79-01-6	Trichloroethene	100	1600	Ū
	Dibromochloromethane		1600	Ū
79-00-5	1,1,2-Trichloroethane		1600	lu l
71-43-2	Benzene		1600	ן ע
10061-02-6	-trans-1,3-Dichloropropene		1600	שׁ
75-25-2 <b></b>	Bromoform		1600	U
108-10-1	-4-Methyl-2-pentanone		1600	Ū
591-78-6	-2-Hexanone		1600	Ū
127-18-4	-Tetrachloroethene		1600	Ū
108-88-3	-Toluene		2600	
79-34-5	-1,1,2,2-Tetrachloroethane		1600	u
108-90-7	-Chlorobenzene		1600	111
100-41-4	-Ethylbenzene		13000	
100-42-5	-Styrene		800	J
1330-20-7	-Total Xylenes		4000	
76-13-1	-1,1,2-Trichloro-1,2,2-trifluo	roethane	1600	U
156~59-2	-cis-1,2-Dichloroethene		1600	וט

86/3459

Lab Name: STL Buffalo Contract:	TP-35
rab Maile. Din Burraro Contract:	
Lab Code: RECNY Case No.: SAS No.: _	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05909
Sample wt/vol: $4.19$ (g/mL) G	Lab File ID: <u>Q8571.RR</u>
Level: (low/med) MED	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: not dec. <u>27</u> Heated Purge: N	Date Analyzed: <u>11/01/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: 10000 (uL)	Soil Aliquot Volume: _ 100.00 (uL)
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane	1600 U 16

## DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

87/3459

Client No.

		11D−3E
Lab Name: STL Buffalo	Contract:	117-35
· · · · · · · · · · · · · · · · · · ·		

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05909

Sample wt/vol: 4.19 (g/mL) G Lab File ID: Q8571.RR

Level: (low/med) MED Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: not dec. \_26.6
Date Analyzed: 11/01/2005

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENIRATION UNITS:

Number TICs found: 10 (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 5. 6. 7. 8. 9.	TRIMETHYLBENZENE ISOMER UNKNOWN TRIMETHYLBENZENE ISOMER ALKYLCYCLOHEXANE TRIMETHYLBENZENE ISOMER SATURATED HYDROCARBON UNKNOWN UNKNOWN UNKNOWN UNKNOWN	9.86 10.06 10.20 10.37 10.57 10.82 11.01 11.20 11.33 11.78	1100 1800 1600 2000 1800 5800 1400 1400 2900 1200	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

### 89/3459

_			TP-OW-2	:
Lab Name: STL Buffalo	Contract:		<u> </u>	
Lab Code: <u>RECNY</u> Cas	se No.: SAS No.:	SDG No.: <u>C059</u>	<b>-</b>	
Matrix: (soil/water) §	OIL	Lab Sample ID:	A5C05904	
Sample wt/vol:	5.17 (g/mL) <u>G</u>	Lab File ID:	<u>Q8717.RR</u>	
Level: (low/med) $\underline{L}$	<u>OW</u>	Date Samp/Recv:	10/24/2005	10/26/2005
% Moisture: not dec	21 Heated Purge: Y	Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	1.00	
Soil Extract Volume: _	(uL)	Soil Aliquot Vol	Lume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7	-Methylcyclohexane -1,2-Dibromoethane		12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U 12 U U U 12 U U U U	

Lab Name: <u>STL Buffalo</u>	Contract:		TP-OW-2
-			
Lab Code:   RECNY   Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05904
Sample wt/vol: $5.17$ (g/mL)	<u>G_</u>	Lab File ID:	<u>08717.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: not dec. 21 Heated	l Purge: <u>Y</u>	Date Analyzed:	11/05/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:(uL)

74-87-3         Chloromethane         12         U           74-83-9         Bromomethane         12         U           75-01-4         Vinyl chloride         12         U           75-01-4         Chloroethane         4         J           75-00-3         Chloroethane         4         J           75-09-2         Methylene chloride         12         U           67-64-1         Acetone         110         12           75-15-0         Carbon Disulfide         12         U           75-34-3         1,1-Dichloroethane         12         U           75-34-3         1,1-Dichloroethane         12         U           76-63-3         Chloroform         12         U           107-66-2         1,2-Dichloroethane         12         U           78-93-3         2-Ditchloroethane         12         U           75-56-         1,1,1-Trichloroethane         12         U           75-27-4         Bromodichloromethane         12         U           78-87-5         1,2-Dichloropropane         12         U           10061-01-5         -cis-1,3-Dichloropropane         12         U           124-48-1         Dibmomoc	CAS NO.	COMPOUND	CONCENTRATION UI (ug/L or ug/Kg)		Q
74-83-9Brommethane   12   U   75-01-4				12 .	TI
75-01-4Vinyl chloride	74-83-9	Bromomethane		12	ΙŪ
75-00-3Chloroethane	75~01~4	Vinyl chloride		12	I -
75-09-2Methylene chloride	75-00-3	Chloroethane		4	J
110	75-09-2 <u>-</u> -	Methylene chloride		12	1
75-15-0 Carbon Disulfide	67-64-1	Acetone		110	
75-34-31,1-Dichloroethane   12   U   107-66-3Chloroform   12   U   107-06-21,2-Dichloroethane   12   U   107-06-21,2-Dichloroethane   12   U   12   U   12   U   1330-20-7	75-15-0	Carbon Disulfide	· · · · · · · · · · · · · · · · · · ·		U
67-66-3Chloroform	75-35-4	1,1-Dichloroethene		12	ָּט
107-06-21, 2-Dichloroethane       12       U         78-93-32-Butanone       40         71-55-61, 1, 1-Trichloroethane       12       U         56-23-5Carbon Tetrachloride       12       U         75-27-4Bromodichloromethane       12       U         78-87-51, 2-Dichloropropane       12       U         10061-01-5cis-1, 3-Dichloropropene       12       U         79-01-6Trichloroethene       12       U         79-01-5Trichloroethane       12       U         79-00-51, 1, 2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1, 3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         109-34-5Chlorobenzene       12       U         100-42-5Styrene       12       U         130-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       <	75-34-3	1,1-Dichloroethane			Ū
107-06-21, 2-Dichloroethane				12	ָ עו
71-55-61,1,1-Trichloroethane       12       U         56-23-5Carbon Tetrachloride       12       U         75-27-4Bromodichloromethane       12       U         78-87-51,2-Dichloropropane       12       U         10061-01-5cis-1,3-Dichloropropene       12       U         79-01-6Trichloroethene       12       U         124-48-1Dibromochloromethane       12       U         79-00-51,1,2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-42-5Styrene       12       U         130-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U				12	U
71-55-61,1,1-Trichloroethane   12   U   156-23-5Carbon Tetrachloride   12   U   175-27-4Bromodichloromethane   12   U   178-87-51,2-Dichloropropane   12   U   10061-01-5cis-1,3-Dichloropropene   12   U   179-01-6Trichloroethene   12   U   179-01-6Trichloroethane   12   U   179-00-51,1,2-Trichloroethane   12   U   179-00-51,1,2-Trichloroethane   12   U   175-25-2Bromoform   12   U   175-25-2					
75-27-4Bromodichloromethane       12       U         78-87-51,2-Dichloropropane       12       U         10061-01-5cis-1,3-Dichloropropene       12       U         79-01-6Trichloroethene       12       U         124-48-1Dibromochloromethane       12       U         79-00-51,1,2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-5Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1300-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	71-55-6	1,1,1-Trichloroethane	, , , , , , , , , , , , , , , , , , ,	12	U
75-27-4Bromodichloromethane   12   U   78-87-51,2-Dichloropropane   12   U   10061-01-5cis-1,3-Dichloropropene   12   U   79-01-6Trichloroethene   12   U   124-48-1Dibromochloromethane   12   U   79-00-51,1,2-Trichloroethane   12   U   71-43-2Benzene   2   U   75-25-2Bromoform   12   U   75-25-2Bromoform   12   U   108-10-14-Methyl-2-pentanone   12   U   127-18-4Tetrachloroethene   12   U   127-18-4Tetrachloroethene   12   U   108-88-31,1,2,2-Tetrachloroethane   12   U   108-90-7Chlorobenzene   12   U   100-42-5Styrene   12   U   1330-20-7Total Xylenes   4   U   1330-20-7Total Xylenes   12   U   1310-20-7Total Xylenes   13   U   14   15   15   15   15   15   15   15	56-23-5(	Carbon Tetrachloride			1 -
10061-01-5cis-1,3-Dichloropropene   12   U   124-48-1Trichloroethene   12   U   124-48-1Dibromochloromethane   12   U   124-48-1Dibromochloromethane   12   U   12   U   12   U   1330-20-7Total Xylenes   12   U   U   12   U   12   U   12   U   12   U   12   U   12   U   12   U   12   U   13   U   12   U   12   U   12   U   13   U   13   U   14   U   U   U   U   U   U   U   U   U	75-27-4E	3romodichloromethane			_
79-01-6Trichloroethene       12       U         124-48-1Dibromochloromethane       12       U         79-00-51,1,2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1300-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	78-87-51	1,2-Dichloropropane		12	l <del>u</del>
79-01-6Trichloroethene       12       U         124-48-1Dibromochloromethane       12       U         79-00-51,1,2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1300-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	10061-01-5	cis-1,3-Dichloropropene		12	U
79-00-51,1,2-Trichloroethane       12       U         71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	79-01-6	Trichloroethene		12	U
71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-5Toluene       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U				12	Ū
71-43-2Benzene       2       J         10061-02-6trans-1,3-Dichloropropene       12       U         75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-5Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	79-00-51	,1,2-Trichloroethane		12	บ ·
75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	71-43-2E	Benzene		2	J
75-25-2Bromoform       12       U         108-10-14-Methyl-2-pentanone       12       U         591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	10061-02-6- <b>-</b> t	rans-1,3-Dichloropropene		12	U
591-78-62-Hexanone       12       U         127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	75-25-2 <u>-</u> E	3romoform		12	U
127-18-4Tetrachloroethene       12       U         108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	108-10-14	-Methyl-2-pentanone		12	ש
108-88-3Toluene       12       U         79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U				12	U
79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	127-18-4T	'etrachloroethene		12	U
79-34-51,1,2,2-Tetrachloroethane       12       U         108-90-7Chlorobenzene       12       U         100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U				12	U
100-41-4Ethylbenzene       12       U         100-42-5Styrene       12       U         1330-20-7Total Xylenes       4       J         76-13-11,1,2-Trichloro-1,2,2-trifluoroethane       12       U	79-34-51	,1,2,2-Tetrachloroethane		12	
100-42-5Styrene 12 U 1330-20-7Total Xylenes 4 J 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 12 U				12	υ
1330-20-7Total Xylenes 4 J 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 12 U	100-41-4E	thylbenzene		12	U
1330-20-7Total Xylenes 4 J 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 12 U				12	U
76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 12				4	1 1
156-50 0 gig 1 0 Di-13	76-13-11	,1,2-Trichloro-1,2,2-trifluo	roethane	12	1 - 1
156-59-2cis-1,2-Dichloroethene 12 U	156-59-2c	is-1,2-Dichloroethene		12	Ū

## DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

90/3459

Client No.

Lab Name: STL Buffalo	Contract.	 :	TP-OW-2	
	COILCIACL.			
Lab Code: RECNY Case No.:	_ SAS No.: _	 SDG No.: <u>C059</u>		
Matrix: (soil/water) SOIL		 Lab Sample ID:	<u>A5C05904</u>	
Sample wt/vol: 5.17 (g/mL	) <u>G</u>	Lab File ID:	<u>08717.RR</u>	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2	005
% Moisture: not dec. 20.7		Date Analyzed:	11/05/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(nm)	 Dilution Factor:	1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)	

Compound Name

SATURATED HYDROCARBON

SATURATED HYDROCARBON

SATURATED HYDROCARBON

DECAHYDRONAPHTHALENE DER.

TETRAMETHYLBENZENE ISOMER

UNKNOWN

UNKNOWN

UNKNOWN

SATURATED HYDROCARBON

TRIMETHYLBENZENE ISOMER

CONCENTRATION UNITS:

11.00

11.32

11.68

11.79

(ug/L or ug/Kg) UG/KG

Number TICs found: 10

2.

3.

4.

5.

7.

8.

9.

10.

CAS NO.

RT	Est. Conc.	Q
9.80 10.07 10.20 10.49 10.56	71 68 42 42 71	J J J J
10.83	280	J

61 J

100

68

72 J

J

J

## 91/3459

Tule ST CHTT ID CC. 1	<b>.</b>		TRIP BLA	NK
Lab Name: SIL Buffalo	Contract:		<u> </u>	
Lab Code: <u>RECNY</u> Car	se No.: SAS No.:	SDG No.: <u>C059</u>	_	
Matrix: (soil/water) [	<u>NATER</u>	Lab Sample ID:	A5C05921	<del>_</del> ·
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:	<u>08553.RR</u>	
Level: (low/med) ]	LOW	Date Samp/Recv:	10/25/200	<u>5</u> <u>10/26/2009</u>
% Moisture: not dec	Heated Purge: N	Date Analyzed:	11/01/200	<u>5</u>
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume: _	(uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		·Q
74-83-9 75-01-4 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 67-66-3 107-06-2 78-93-3 75-27-4 78-87-5 79-01-6 79-01-6 124-48-1 79-00-5 71-43-2 10061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 108-90-7 100-41-4 100-42-5 1330-20-7 75-71-8	-Carbon Disulfide -1,1-Dichloroethene -1,1-Dichloroethane -Chloroform -1,2-Dichloroethane -2-Butanone -1,1,1-Trichloroethane -Carbon Tetrachloride -Bromodichloromethane -1,2-Dichloropropane -cis-1,3-Dichloropropene -Trichloroethene -Dibromochloromethane -1,1,2-Trichloroethane -Benzene -trans-1,3-Dichloropropene -Bromoform -4-Methyl-2-pentanone -2-Hexanone -Tetrachloroethene -Toluene -1,1,2,2-Tetrachloroethane -Chlorobenzene -Ethylbenzene		10 10 10 10 10 10 10 10 10 10 10 10 10 1	

### 92/3459

Lab Name: STL Buffalo Contract:	TRIP BLANK
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5C05921
Sample wt/vol:	Lab File ID: <u>Q8553.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/01/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-triflus 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	10 U U 10 U U 10 U U U U U U U U U U U U

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

93/3459

Lab Name	e: STL, Buffalo	Contract:	- Audition Halle	TRIP B	LANK	
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	<u>C059</u>		
Matrix:	(soil/water) WATER	<u>.</u>	Lab Samp	ole ID: <u>A5C05</u>	921	
Sample w	vt/vol: <u>5.0</u>	<u>00</u> (g/mL) <u>ML</u>	Lab File	D: <u>08553</u>	.RR	
Level:	(low/med) <u>LOW</u>		Date San	p/Recv: <u>10/25</u> /	<u>/2005</u> <u>1</u>	0/26/2005
% Moistu	re: not dec.	<del>-</del> .	Date Ana	lyzed: <u>11/01/</u>	<u> 2005</u>	
GC Colum	n: <u>DB-624</u> II	0:_0.25 (mm)	Dilution	Factor: 1.	00	
Soil Ext	ract Volume:	(uL)	Soil Ali	quot Volume:		(uL)
Number T	ICs found:0		CONCENIRAT (ug/L or	ION UNITS: ug/Kg) <u>UG/L</u>	<del>_</del> .	
	. CAS NO.	Compound Name	RT	Est. Conc.	Q	

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: SIL Buffal	o Contract:	·	SED-10
	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)		Lab Sample ID:	<u>A5C05911</u>
Sample wt/vol:	_30.35 (g/mL) <u>G</u>	Lab File ID:	V12294.RR
Level: (low/med)	TOM	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>67</u>	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	4.00

GPC Cleanup: (Y/N) N pH: 7.3

	CONCENTRATION UN		
CAS NO. COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
100-52-7Benzaldehyde		4000	U
108-95-2Phenol		4000	Ü
111-44-4Bis(2-chloroethyl) ether		4000	Ū
95-57-82-Chlorophenol		4000	U
95-48-72-Methylphenol		4000	שׁ
108-60-12,2'-Oxybis(1-Chloropropane		4000	υ l
98-86-2Acetophenone		4000	U
106-44-54-Methylphenol		4000	บ
621-64-7N-Nitroso-Di-n-propylamine		4000	Ü
67-72-1Hexachloroethane		4000	Ū
98-95-3Nitrobenzene		4000	Ū .
78-59-1Isophorone		4000	Ū
88-75-52-Nitrophenol		4000	<u>"</u>
105-67-92,4-Dimethylphenol		4000	ו ט
111-91-1Bis(2-chloroethoxy) methane		4000	U I
120-83-22,4-Dichlorophenol		4000	Ū
91-20-3Naphthalene		4000	ן מן
106-47-84-Chloroaniline		4000	lu l
87-68-3Hexachlorobutadiene		4000	Ü
105-60-2Caprolactam		4000	ן מן
59-50-74-Chloro-3-methylphenol		4000	ט ו
91-57-62-Methylnaphthalene		4000	lu l
77-47-4Hexachlorocyclopentadiene		4000	lu
88-06-22,4,6-Trichlorophenol		4000	lu l
95-95-42,4,5-Trichlorophenol		4000	υ l
92-52-4Biphenyl		4000	u l
91-58-72-Chloronaphthalene		4000	lu l
88-74-42-Nitroaniline		9700	Ü
131-11-3Dimethyl phthalate		4000	U
208-96-8Acenaphthylene		270	J
606-20-22,6-Dinitrotoluene		4000	וד
99-09-23-Nitroaniline	,	9700	TI I
		2700	

### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

SED-10
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			•	
Lab	Name:	STL Buffalo	Contract:	

Lab Code: RECONY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05911

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12294.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 67 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.3

		CONCENIRATION UN	NTS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene		4000	บ
51-28-5	2,4-Dinitrophenol		9700	U
	4-Nitrophenol		9700	U
	Dibenzofuran		4000	U
	2,4-Dinitrotoluene		4000	U
	Diethyl phthalate		4000	U
7005-72-3	4-Chlorophenyl phenyl ether		4000 `	U
86-73-7	- ··· - · · · · · · · · · · · · · · · ·		4000	ប
	4-Nitroaniline		9700	U -
	4,6-Dinitro-2-methylphenol		9700	U
86-30-6	N-nitrosodiphenylamine		4000	U
101-55-3	4-Bromophenyl phenyl ether		4000	U
118-74-1	Hexachlorobenzene		4000	U .
1912-24-9	Atrazine		4000	U
87-86-5	Pentachlorophenol		9700	U
85-01-8	Phenanthrene		1400	J
120-12-7	Anthracene		390	J
86-74-8	Carbazole		260	J
84-74-2	Di-n-butyl phthalate		4000	U
206-44-0	Fluoranthene		4300	
129-00-0			3600	J
85-68-7	-Butyl benzyl phthalate		250	J
91-94-1	-3,3'-Dichlorobenzidine		4000	ע
56-55-3	-Benzo (a) anthracene		2000	J
218-01-9	-Chrysene		2200	J
117-81-7	-Bis(2-ethylhexyl) phthalate		360	BJU
	-Di-n-cctyl phthalate		4000	<b>ט</b>
205-99-2	-Benzo (b) fluoranthene		3300	J
	-Benzo(k) fluoranthene		1200	J
50-32-8	-Benzo (a) pyrene		2700	J
193-39-5	-Indeno (1, 2, 3-cd) pyrene		2100	J
53-70-3	-Dibenzo (a, h) anthracene		590	J

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo	Contract:		SED-10
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Iab Sample ID:	A5C05911
Sample wt/vol: 30.35 (	g/mL) <u>G</u>	Lab File ID:	V12294.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 67 decanted	: (Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume:	<u>1000</u> (uL)	Date Analyzed:	11/03/2005
Injection Volume:2.00(uL)		Dilution Factor:	4,00
GPC Cleanup: (Y/N) N pH: _	<u>7.3</u>		
CAS NO. COMPOUR	ID	CONCENTRATION UNITS: (ug/L or ug/Kg) L	IG/KG Q
191-24-2Renzo (c	zhi) nervlene	7	T 003

# ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffa	alo Contract:		SED-10
	Case No.: SAS No.:	_	
Matrix: (soil/water	c) <u>soil</u>	Lab Sample ID:	A5C05911
Sample wt/vol:	<u>30.35</u> (g/mL) <u>G</u>	Lab File ID:	V12294.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>67.5</u>	decanted: (Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extrac	et Volume: <u>1000</u> (uL)	Date Analyzed:	11/03/2005
Injection Volume: _	<u>2.00</u> (vL)	Dilution Factors	4.00
GPC Cleanup: (Y/N	I) <u>N</u> pH:7.3		
Number TICs found:	<u>1</u>	CONCENTRATION UNIT (ug/L or ug/Kg)	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.97	900	J

### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	or Cor	ntract:		SED-11
Lab Code: <u>RECNY</u> Ca	ase No.:	SAS No.:		
Matrix: (soil/water)	SOIL		Lab Sample ID:	<u>A5C05912</u>
Sample wt/vol:	<u>30.58</u> (g/mL) <u>G</u>		Lab File ID:	V12295.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 61	decanted: (Y/N)	Й	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)		Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	10.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENIRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7			8200	U
108-95-2			8200	บ
111-44-4	-Bis(2-chloroethyl) ether	<u> </u>	8200	U
95-57-8	-2-Chlorophenol		8200	ט
95-48-7	-2-Methylphenol		8200	ט
108-60-1	-2,2'-Oxybis(1-Chloropropane)		8200	υ
98-86-2	-Acetophenone		8200	υ
106-44-5	-4-Methylphenol		8200	บ
621-64-7	-N-Nitroso-Di-n-propylamine		8200	ן ת
67-72-1	-Hexachloroethane		8200	ען
98-95-3	-Nitrobenzene		8200	Ū
78-59-1	-Isophorone		8200	Ū
88-75-5	-2-Nitrophenol		8200	ן מ
105-67-9	-2,4-Dimethylphenol		8200	lŭ l
111-91-1	-Bis(2-chloroethoxy) methane		8200	Ū
120-83-2	-2,4-Dichlorophenol	·····	8200	Ū
91-20-3	-Naphthalene		8200	lu l
106-47-8	-4-Chloroaniline		8200	lΰ
87-68 <b>-</b> 3	-Hexachlorobutadiene		8200	l <del>u</del>
105-60-2	-Caprolactam		8200	<u>ש</u>
59-50-7	-4-Chloro-3-methylphenol		8200	υ
	-2-Methylnaphthalene	<del></del>	8200	U
77-47-4	-Hexachlorocyclopentadiene		8200	Ū
88-06-2	-2,4,6-Trichlorophenol		8200	lu l
95-95-4'	-2,4,5-Trichlorophenol		8200	ט
92-52-4	Biphenyl	·	8200	U
	2-Chloronaphthalene		8200	ם
88-74-4	2-Nitroaniline		20000	ם ט
	Dimethyl phthalate		8200	ט
208-96-8	Acenaphthylene		630	J
606-20-2	2,6-Dinitrotoluene		8200	U
99-09-2	3-Nitroaniline		20000	II I
			20000	10

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

SED-11	
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Lab 1	Name:	STL Buffalo	Contract:	
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Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05912

Sample wt/vol: 30.58 (g/mL) G Lab File ID: V12295.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

#### CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg)		Q
83-32-9Acenaphthene		8200	บ
51-28-52,4-Dinitrophenol		20000	U
100-02-74-Nitrophenol		20000	U
132-64-9Dibenzofuran		8200	U
121-14-22,4-Dinitrotoluene		8200	ט
84-66-2Diethyl phthalate		8200	υ
7005-72-34-Chlorophenyl phenyl	ether	8200	U
86-73-7Fluorene		250	J
100-01-64-Nitroaniline		20000	U
534-52-14,6-Dinitro-2-methylphe	enol	20000	U
86-30-6N-nitrosodiphenylamine		8200	U
101-55-34-Bromophenyl phenyl e	ther	8200	U
118-74-1Hexachlorobenzene		8200	U
1912-24-9Atrazine		8200	υ
87-86-5Pentachlorophenol		20000	U
85-01-8Phenanthrene		3200	J
120-12-7Anthracene		860	J
86-74-8Carbazole		580	J
84-74-2Di-n-butyl phthalate		8200	U
206-44-0Fluoranthene		8500	
129-00-0Pyrene		7000	J
85-68-7Butyl benzyl phthalate		580	J
91-94-13,31-Dichlorobenzidine		8200	U
56-55-3Benzo (a) anthracene		4200	J
218-01-9Chrysene		4600	J
117-81-7Bis(2-ethylhexyl) phtha	alate	920	BJ()
117-84-0Di-n-octyl phthalate		8200	U
205-99-2Benzo (b) fluoranthene		6800	J
207-08-9Benzo(k) fluoranthene		2400	J
50-32-8Benzo (a) pyrene		5400	J
193-39-5Indeno (1, 2, 3-cd) pyrene		3600	J
53-70-3Dibenzo (a, h) anthracene		1000	J

### 100/3459

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

				SED-11
Lab Name: STL Buffa	<u>elo</u> Cont	ract:	_	
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water	r) <u>soil</u>		Lab Sample ID:	A5C05912
Sample wt/vol:	_30.58 (g/mL) <u>G</u>		Lab File ID:	V12295.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:61	decanted: $(Y/N)$ N	I	Date Extracted:	10/27/2005
Concentrated Extra	ct Volume: 1000 (uL)		Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	10.00
GPC Cleanup: (Y/N)	<u>N</u> pH: <u>7.0</u>			
CAS NO.	COMPOUND		ENIRATION UNITS: g/L or ug/Kg) <u>U</u>	<u>g/kg</u> Q
191-24-2	Benzo(ahi)pervle	ne	43	T. 00

### 101/3459

## ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo	Contract:	-	SED-11
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05912
Sample wt/vol: $30.58$ (g/mL)	<u>G</u>	Lab File ID:	V12295.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 60.7 decanted: (Y,	/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000	(uL)	Date Analyzed:	11/03/2005
Injection Volume:2.00 (uL)		Dilution Factor:	10.00
GPC Cleanup: (Y/N) N pH:	7.0		

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2.	UNKNOWN ACID UNKNOWN	16.51 19.84	2700 3600	J J

Number TICs found: 2

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

SED-12
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Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: <u>RECNY</u> Case No.: \_\_\_\_\_ SDG No.: <u>C059</u>

Matrix: (soil/water) SOIL Lab Sample ID: A5C05913

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture:  $\underline{\phantom{0}}$  decanted: (Y/N)  $\underline{Y}$  Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

		CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
	Benzaldehyde		6900	υ
108-95-2			6900	U
111-44-4	Bis(2-chloroethyl) ether		6900	U
95-57-8	2-Chlorophenol		6900	U
95-48-7	2-Methylphenol		6900	U
108-60-1	-2,2'-Oxybis(1-Chloropropane)		6900	U
98-86-2	Acetophenone		6900	U
	4-Methylphenol		6900	ប
621-64-7	-N-Nitroso-Di-n-propylamine		6900	ט
	Hexachloroethane		6900	ט
	Nitrobenzene		6900	ט
78-59-1	Isophorone		6900	ט
88-75-5	-2-Nitrophenol		6900	U
105-67-9	-2,4-Dimethylphenol		6900	U
111-91-1	-Bis(2-chloroethoxy) methane		6900	U ·
	-2,4-Dichlorophenol		6900	ט
91-20-3			6900	U
	-4-Chloroaniline		6900	ט
1	-Hexachlorobutadiene	-	6900	U
105-60-2			6900	U
59-50-7	-4-Chloro-3-methylphenol		6900	U
	-2-Methylnaphthalene		6900	U
	-Hexachlorocyclopentadiene		6900	U
88-06-2	-2,4,6-Trichlorophenol		6900	U
95-95-4	-2,4,5-Trichlorophenol		6900	U
92-52-4	-Biphenyl		6900	ן ט
91-58-7	-2-Chloronaphthalene		6900	ט
	-2-Nitroaniline		17000	ט
131-11-3	-Dimethyl phthalate		6900	ט ו
	-Acenaphthylene		6900	Ū
	-2,6-Dinitrotoluene		6900	Ū
	-3-Nitroaniline		17000	Ū

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	Contract:		SED-12
Lab Code: <u>RECNY</u> Case No	.: SAS No.:	······································	
Matrix: (soil/water) SOIL	·	Lab Sample ID:	A5C05913
Sample wt/vol: 30.50	0 (g/mL) <u>G</u>	Lab File ID:	V12296.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>77</u> decant	ted: (Y/N) Y	Date Extracted:	10/27/2005
Concentrated Extract Volume	e:_ <u>1000</u> (uL)	Date Analyzed:	11/03/2005
Injection Volume: 2.00(	uL)	Dilution Factor:	5.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.2}$ 

### 104/3459

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name:	STL Buffal	ō Q	ontract:		SED-12
Lab Code:	<u>recny</u> c	ase No.:	SAS No.:	SDG No.: <u>C059</u>	_
Matrix: (	(soil/water)	SOIL		Lab Sample ID:	<u>A5C05913</u>
Sample wt	:/vol:	<u>30.50</u> (g/mL) <u>G</u>	_	Lab File ID:	V12296.RR
Level:	(low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	re: <u>77</u>	decanted: (Y/N	<u>Y</u>	Date Extracted:	10/27/2005
Concentra	ited Extract	Volume: 1000 (uL)	<b>)</b>	Date Analyzed:	11/03/2005
Injection	Volume:	2.00 (uL)		Dilution Factor	:5.00
GPC Clean	up: (Y/N) <u>I</u>	M pH: <u>7.2</u>			
	CAS NO.	COMPOUND		ONCENTRATION UNITS (ug/L or ug/Kg)	
	191-24-2	Benzo(ghi)pery	/lene		990 J

### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

	·
SED-12	
12	

Lab Name: STL Buffalo

Contract:

Lab Code: REKINY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL

Sample wt/vol: 30.50 (g/mL) G

Lab Sample ID: A5C05913

Lab File ID:

V12296.RR

Level: (low/med) LOW

Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: <u>76.6</u> decanted: (Y/N) <u>Y</u>

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/03/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 11

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	CAS NO. Compound Name		Est. Conc.	Q
1. 2. 20071-09-4 3. 4. 5. 6. 7. 8. 9. 83-46-5 10. 11. 559-74-0	METHYLETHYLBENZENE ISOMER BENZENE, 1, 1'-(1, 2-CYCLOBUTAN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN BETA. SITOSTEROL UNKNOWN FRIEDELAN-3-ONE	5.58 12.98 15.69 15.97 16.01 16.03 16.06 16.32 18.64 18.97 20.10	1900 1400 4000 5300 8400 2700 2700 1600 1400 2200 6400	J JN J J J J J J J J J J J J J J J

## ASP 2000- MEIHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

	SED-13
	SED-13

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G Lab File ID: V12297.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture:  $\underline{58}$  decanted: (Y/N)  $\underline{Y}$  Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO. COMPOUND	CONCENTRATION U (ug/L or ug/Kg		Q
100-52-7Benzaldehyde		7600	ט
108-95-2Phenol		7600	ן ט
111-44-4Bis(2-chloroethyl) ether		7600	lυ
95-57-82-Chlorophenol_		7600	υ
95-48-72-Methylphenol		7600	ប
108-60-12,2'-Oxybis(1-Chloroprop	pane)	7600	ט
98-86-2Acetophenone		7600	lυ
106-44-54-Methylphenol		7600	ប
621-64-7N-Nitroso-Di-n-propylami	ne	7600	ט
67-72-1Hexachloroethane		7600	ט ו
98-95-3Nitrobenzene		7600	ן ט
78-59-1Isophorone		7600	υ
88-75-52-Nitrophenol		7600	ט
105-67-92,4-Dimethylphenol		7600	ע
111-91-1Bis(2-chloroethoxy) meth	ane	7600	ט
120-83-22,4-Dichlorophenol		7600	ן ט
91-20-3Naphthalene		7600	ן מ
106-47-84-Chloroaniline		7600	U
87-68-3Hexachlorobutadiene		7600	ט
105-60-2Caprolactam		7600	U
59-50-74-Chloro-3-methylphenol		7600	ט
91-57-62-Methylnaphthalene		7600	II
77-47-4Hexachlorocyclopentadien	e	7600	Ū
88-06-22,4,6-Trichlorophenol	-	7600	ט
95-95-42,4,5-Trichlorophenol		7600	lu l
92-52-4Biphenyl		7600	ן מ
91-58-72-Chloronaphthalene		7600	lu l
88-74-42-Nitroaniline		18000	U I
131-11-3Dimethyl phthalate		7600	lu l
208-96-8Acenaphthylene		250	JJ
606-20-22,6-Dinitrotoluene		7600	ן מ
99-09-23-Nitroaniline		18000	Ū

### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffal	o Contract:		SED-13
· ·			
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C05914</u>
Sample wt/vol:	<u>30.78</u> (g/mL) <u>G</u>	Lab File ID:	<u>V12297.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>58</u>	decanted: $(Y/N)$ $\underline{Y}$	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/03/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	10.00

Dilution Factor: \_\_\_10.00

GPC Cleanup: (Y/N) N pH: 7.4

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q
83-32-9	Acenaphthene		7600	ט
	-2,4-Dinitrophenol		18000	υ
100-02-7	4-Nitrophenol		18000	ט
132-64-9	Dibenzofuran		7600	υ
121-14-2	-2,4-Dinitrotoluene	· · · · · · · · · · · · · · · · · · ·	7600	ן ט
	-Diethyl phthalate		7600	ן ט
7005-72-3	-4-Chlorophenyl phenyl ether		7600	ט
86-73-7			7600	U
100-01-6	-4-Nitroaniline		18000	ט
534-52-1	-4,6-Dinitro-2-methylphenol		18000	U
86-30-6	-N-nitrosodiphenylamine		7600	ן ט
101-55-3	-4-Bromophenyl phenyl ether		7600	U
118-74-1	-Hexachlorobenzene		7600	ן ט
1912-24-9	-Atrazine		7600	ט
87-86-5	-Pentachlorophenol		18000	ן ט
85-01-8	-Phenanthrene		1400	J
120-12-7	-Anthracene		310	J
86-74-8	-Carbazole		7600	U
84-74-2	-Di-n-butyl phthalate		7600	ן ט
206-44-0	-Fluoranthene		3900	J
129-00-0	-Pyrene		3200	J
85-68-7	-Butyl benzyl phthalate		7600	lu l
91-94-1	-3,31-Dichlorobenzidine	•	7600	U
	-Benzo (a) anthracene		1600	J
218-01-9	-Chrysene		2200	J
	-Bis(2-ethylhexyl) phthalate		7600	ט
117-84-0	-Di-n-octyl phthalate	······································	7600	U
205-99-2	-Benzo (b) fluoranthene		3200	J
	-Benzo(k) fluoranthene		1100	J
	-Benzo (a) pyrene	<del></del>	2300	J
193-39-5	-Indeno(1,2,3-cd)pyrene	·	1500	J
	-Dibenzo (a, h) anthracene		400	J

### 108/3459

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name:	STL Buffa	<u>ਹ</u> ੇ	Contract:			SED-13	
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	C059		
Matrix: (	soil/water	c) <u>soil</u>		Lab Sample	ID: <u>1</u>	A5C05914	
Sample wt	/vol:	_30.78 (g/mL)	<u>G</u>	Lab File I	D: <u>7</u>	/12297.RR	
Level:	(low/med)	TOM		Date Samp/	Recv: 1	10/25/2005	10/26/2005
% Moistur	e: <u>58</u>	decanted: (Y/)	N) <u>Y</u>	Date Extra	cted: 1	L0/27/2005	
Concentra	ted Extrac	t Volume: <u>1000</u> (u	L)	Date Analy	zed: j	1/03/2005	
Injection	Volume:	2.00 (uL)		Dilution Fa	actor: _	10.00	
GPC Clean	up: (Y/N)	<u>N</u> pH: <u>7.4</u>				•	
(	CAS NO.	COMPOLIND		CONCENIRATION (ug/L or ug/K		G/KG	Q
:	191-24-2	Benzo(ghi)per	rylene		180	00 J	

#### 109/3459

### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SED-13	
i	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Iab Sample ID: A5C05914

Sample wt/vol: 30.78 (g/mL) G Lab File ID: <u>V12297.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: <u>57.9</u> decanted: (Y/N) <u>Y</u> Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: -7.4

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	17.02	1700	J
2.	UNKNOWN	20.10	2700	J

Client No.

Lab Name: STL Buffalo	© Contract:	·	SED-14
Lab Code: RECNY C	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05915
Sample wt/vol:	<u>30.70</u> (g/mL) <u>G</u>	Lab File ID:	V12298.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:57	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/03/2005
Injection Volume:	<u>2.00</u> (址)	Dilution Factor:	10.00

Dilution Factor: 10.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.2}$ 

		CONCENIRATION UN	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
100-52-7	Benzaldehyde		7400	U
108-95-2			7400	u
111-44-4	Bis(2-chloroethyl) ether		7400	Π .
95-57-8	2-Chlorophenol		7400	ij
95-48-7	2-Methylphenol		7400	U
108-60-1	2,2'-Oxybis (1-Chloropropane)		7400	U
98-86-2	Acetophenone	· · · · · · · · · · · · · · · · · · ·	7400	บั
106-44-5	4-Methylphenol		7400	Ü
621-64-7	N-Nitroso-Di-n-propylamine		7400	υ
67-72-1	Hexachloroethane		7400	U
98-95-3	Nitrobenzene		7400	Ü
78-59-1	Isophorone		7400	lū
88-75-5	2-Nitrophenol		7400	U
105-67-9	2,4-Dimethylphenol		7400	Ū
111-91-1	Bis(2-chloroethoxy) methane		7400	Ū
120-83-2	2,4-Dichlorophenol		7400	lΰ
91-20-3	Naphthalene		7400	Ü
106-47-8	4-Chloroaniline		7400	Ū
87-68-3	Hexachlorobutadiene .		7400	ט
	Caprolactam		7400	Ū
	4-Chloro-3-methylphenol		7400	U
91-57-6	2-Methylnaphthalene		7400	U
77-47-4	Hexachlorocyclopentadiene		7400	שׁו
88-06-2	2,4,6-Trichlorophenol		7400	ű
95-95-4	2,4,5-Trichlorophenol	<del></del>	7400	U
92-52-4	Biphenvl		7400	II .
91-58-7	2-Chloronaphthalene		7400	Ü
88-74-4	2-Nitroaniline		18000	U
131-11-3	Dimethyl phthalate		7400	ט
208-96-8	Acenaphthylene		230	J
606-20-2	-2,6-Dinitrotoluene		7400	ט
99-09-2	-3-Nitroaniline		18000	U
			20000	10

Client No.

r.h. 17	<b>.</b>		SED-14
Lab Name: <u>STL Buffalo</u>	Contract:	<del>_</del>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05915
Sample wt/vol: 30.70 (g/mL)	) <u>G</u>	Lab File ID:	V12298.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture:57 decanted: ()	Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000	(uL)	Date Analyzed:	11/03/2005

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

Injection Volume: 2.00 (uL)

		CONCENTRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG_	Q
83-32-9			7400	U
51-28-5	-2,4-Dinitrophenol		18000	ש
100-02-7	-4-Nitrophenol		18000	U
132-64-9	-Dibenzofuran		7400	ש
121-14-2	-2,4-Dinitrotoluene		7400	ש
	-Diethyl phthalate		7400	ប
7005-72-3	-4-Chlorophenyl phenyl ether		7400	U
86-73-7	· · · · · · · · · · · · · · · · · · ·		7400	ט
	-4-Nitroaniline		18000	υ
534-52-1	-4,6-Dinitro-2-methylphenol		18000	ט
86-30-6	-N-nitrosodiphenylamine		7400	U
101-55-3	-4-Bromophenyl phenyl ether		7400	U
118-74-1	-Hexachlorobenzene		7400	U
1912-24-9			7400	ן ט
	-Pentachlorophenol		18000	ט
85-01-8	-Phenanthrene		1500	J
120-12-7	-Anthracene		320	J .
86-74-8			7400	U
84-74-2	-Di-n-butyl phthalate		7400	U
206-44-0			4200	J
129-00-0	-Pyrene		3300	J
85-68-7	-Butyl benzyl phthalate		7400	U
91-94-1	-3,3'-Dichlorobenzidine		7400	ן ט
56-55-3	-Benzo (a) anthracene		1600	J
218-01-9	-Chrysene		2300	J
117-81-7	-Bis(2-ethylhexyl) phthalate		450	BJÜ
	-Di-n-octyl phthalate		7400	ט
	-Benzo(b) fluoranthene	· · · · · · · · · · · · · · · · · · ·	3200	J
207-08-9	-Benzo(k) fluoranthene	· <del>-</del> · · · · ·	1100	J
	-Benzo (a) pyrene		2300	J
	-Indeno (1, 2, 3-cd) pyrene		1500	J
	-Dibenzo (a, h) anthracene		370	J

### 112/3459

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo	Contract:		SED-14
Lab Code: RECNY Case No.:			
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05915
Sample wt/vol: <u>30.70</u> (g/	mĽ) <u>G</u>	Lab File ID:	<u>V12298.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>57</u> decanted:	(Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10	00 (uL)	Date Analyzed:	11/03/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	10.00
GPC Cleanup: (Y/N) N pH: 7.	2		
CAS NO. COMPOUND		CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG Q
191-24-2Benzo (gh:	i)perylene	1'	700 J

# ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Iab Name:   SIL Buffalo   Contract:	3ED-14
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05915
Sample wt/vol: $30.70$ (g/mL) $G$	Lab File ID: <u>V12298.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: <u>56.6</u> decanted: (Y/N) <u>N</u>	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 10.00
GPC Cleanup: (Y/N) <u>N</u> pH: <u>7.2</u>	
Number TICs found: 1	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>
G1G 170	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	17.02	1900	J

Client No.

Lab Name:	STL Buffalo	<u> </u>	ontract:		SED-12
Lab Code:	<u>RECNY</u> C	ase No.:		SDG No.: <u>C059</u>	
Matrix: (	soil/water)	SOIL		Lab Sample ID:	A5C05916
Sample wt	/vol:	_30.37 (g/mL) <u>G</u>	_	Lab File ID:	V12299.RR
Level:	(low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005

% Moisture: 80 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q
100-52-7	-Benzaldehyde		16000	บ
108-95-2			16000	บ
111-44-4	·Bis(2-chloroethyl) ether		16000	שו
95-57-8	-2-Chlorophenol		16000	ט
	-2-Methylphenol		16000	υ
108-60-1	2,2'-Oxybis(1-Chloropropane)		16000	U
98-86-2	-Acetophenone		16000	ט
	4-Methylphenol		16000	υ
621-64-7	N-Nitroso-Di-n-propylamine		16000	U
	Hexachloroethane		16000	ט
98-95-3			16000	U
78-59-1	Isophorone		16000	ט
88-75-5	2-Nitrophenol		16000	υ
	2,4-Dimethylphenol		16000	Π .
111-91-1	Bis(2-chloroethoxy) methane		16000	<b>ט</b>
120-83-2	2,4-Dichlorophenol		16000	U
91-20-3			16000	ט
106-47-8	4-Chloroaniline		16000	ן ט
	Hexachlorobutadiene		16000 .	ט
105-60-2	Caprolactam		16000	ט
59-50-7	4-Chloro-3-methylphenol		16000	ן ט
91-57-6	2-Methylnaphthalene		16000	ט
77-47-4	Hexachlorocyclopentadiene		16000	ט ו
88-06-2	2,4,6-Trichlorophenol		16000	ן ט
95-95-4	2,4,5-Trichlorophenol		16000	ט
92-52-4			16000	บ
91-58-7	2-Chloronaphthalene		16000	ן ט
88-74-4	2-Nitroaniline		39000	ט
131-11-3	Dimethyl phthalate		16000	ט
208-96-8	Acenaphthylene		700	J
	2,6-Dinitrotoluene		16000	υ l
99-09-2			39000	ŭ

Client No.

Lab Name: <u>STL Buffal</u>	o Contract:		SED-15
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:		
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C05916</u>
Sample wt/vol:	30.37 (g/mL) <u>G</u>	Lab File ID:	<u>V12299.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>80</u>	decanted: (Y/N) <u>Y</u>	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	10.00

GPC Cleanup: (Y/N) N pH: 7.1

		CONCENTRATION (	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>VG/KG</u>	Q
83-32-9	Acenaphthene		16000	U
51-28-5	-2,4-Dinitrophenol		39000	U
100-02-7	-4-Nitrophenol		39000	Ū
	-Dibenzofuran		16000	บ
121-14-2	-2,4-Dinitrotoluene		16000	U
84-66-2	-Diethyl phthalate		16000	ט
7005-72-3	-4-Chlorophenyl phenyl ether		16000	ן מ
86-73-7	-Fluorene		16000	ט
	-4-Nitroaniline		39000	U
534-52-1	-4,6-Dinitro-2-methylphenol		39000	ប
86-30-6	-N-nitrosodiphenylamine		16000	ט
101-55-3	-4-Bromophenyl phenyl ether		16000	ט
118-74-1	-Hexachlorobenzene		16000	ט
1912-24-9	···		16000	ן ט
	-Pentachlorophenol		39000	ן ט
	-Phenanthrene		1200	J
120-12-7			580	J
86-74-8			16000	lu l
84-74-2	-Di-n-butyl phthalate		16000	U
	-Fluoranthene		2600	J
129-00-0			2400	J
85-68-7	-Butyl benzyl phthalate		16000	ן ט
91-94-1	-3,3'-Dichlorobenzidine		16000	ן ט
56-55-3	-Benzo (a) anthracene		1000	J
218-01-9	-Chrysene		1600	J
	-Bis(2-ethylhexyl) phthalate		16000	ע
117-84-0	-Di-n-octyl phthalate		16000	ן ט
205-99-2	-Benzo(b)fluoranthene		2300	J
207-08-9	-Benzo(k)fluoranthene		16000	ן ט
50-32-8	-Benzo (a) pyrene		1800	J
193-39-5	-Indeno(1,2,3-cd)pyrene		1100	J
53-70-3	-Dibenzo (a, h) anthracene		16000	Ū

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## ASP 2000- MEIHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name:	: STL Buffa	<u>lo</u> c	bntract:		SED-15
Lab Code:	: <u>RECNY</u> (	Case No.:	SAS No.:	SDG No.: <u>C059</u>	3
Matrix:	(soil/water)	) <u>SOIL</u>		Lab Sample ID:	<u>A5C05916</u>
Sample wt	:/vol:	<u>30.37</u> (g/mL) <u>G</u>	<u>}                                    </u>	Lab File ID:	V12299.RR
Level:	(low/med)	LOW		Date Samp/Recv	7: <u>10/25/2005</u> <u>10/26/2005</u>
% Moistur	re: <u>80</u>	decanted: (Y/N	ı) Ā	Date Extracted	l: <u>10/27/2005</u>
Concentra	ated Extract	: Volume: <u>1000</u> (uL	1)	Date Analyzed:	11/03/2005
Injection	ı Volume:	2.00 (uL)		Dilution Facto	or: <u>10.00</u>
GPC Clear	nup: (Y/N)	<u>N</u> pH: _7.1	•		
	CAS NO.	COMPOUND		CONCENTRATION UNIT	<del>-</del> •
	191-24-2	Benzo (ghi) per	ylene		1300 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name	: SIL Buffalo	Contract:	<u> </u>			PED-12	<del></del>	
Lab Code:	: <u>RECNY</u> Case No	.: SAS No.:	<del></del>	SDG No.:	C059			
Matrix:	(soil/water) <u>SOIL</u>			Lab Sampi	le ID:	A5C0591	6	
Sample wt	:/vol: <u>30.3</u>	7 (g/mL) <u>G</u>		Lab File	ID:	<u>V12299.</u>	RR	<del></del>
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:	10/25/2	<u>005</u> <u>1</u>	0/26/2005
% Moistu	re: <u>79.6</u> decan	ted: (Y/N) Y		Date Ext	racted:	10/27/2	005	
Concentra	ated Extract Volum	e: <u>1000</u> (uL)		Date Ana	lyzed:	11/03/2	<u>005</u>	
Injection	n Volume: 2.00	(uL)		Dilution	Factor:	10.0	<u>0</u>	
GPC Clear	oup: (Y/N) <u>N</u>	pH: <u>7.1</u>			1.			•
Number Ti	Cs found: 0		(	CONCENTRATI (ug/L or )	_	_		
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	

Date Samp/Recv: 10/25/2005 10/26/2005

#### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name	: STL Buffal	<u>o</u>	Contract:	<u>-</u>	2ED-10
Lab Code:	RECNY C	ase No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix:	(soil/water)	SOIL		Lab Sample ID:	A5C05917
Sample wt	:/vol:	30.32 (g/mL)	<u>G</u>	Lab File ID:	V12300.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005

% Moisture: 83 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: <u>11/03/2005</u>

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)	ITS: <u>UG/KG</u>	Q
	-Benzaldehyde		19000	U
108-95-2			19000	U
111-44-4	-Bis(2-chloroethyl) ether		19000	U
95-57-8	-2-Chlorophenol		19000	U
95-48-7	-2-Methylphenol		19000	U
108-60-1	-2,2'-Oxybis(1-Chloropropane)		19000	ט
	-Acetophenone		19000	Ū
	-4-Methylphenol		19000	U
621-64-7	-N-Nitroso-Di-n-propylamine		19000	U
	-Hexachloroethane		19000	U
	-Nitrobenzene		19000	ט
78-59-1	-Isophorone		19000	ប
88-75-5	-2-Nitrophenol		19000	Ū
105-67-9	-2,4-Dimethylphenol		19000	U
	-Bis(2-chloroethoxy) methane		19000	U
	-2,4-Dichlorophenol		19000	บ
91-20-3			19000	U
	-4-Chloroaniline		19000	U
	-Hexachlorobutadiene		19000	U
105-60-2			19000	U
59-50-7	-4-Chloro-3-methylphenol		19000	Ū
91-57-6	-2-Methylnaphthalene		19000	Ū
77-47-4	-Hexachlorocyclopentadiene		19000	lŭ l
88-06-2	-2,4,6-Trichlorophenol	-	19000	Ū
95-95-4	-2,4,5-Trichlorophenol		19000	Ŭ
92-52-4	-Biphenyl		19000	ŭ
	-2-Chloronaphthalene		19000	ŭ
	-2-Nitroaniline		46000	U
	-Dimethyl phthalate		19000	Ū
208-96-8	-Acenaphthylene		800	J
	-2,6-Dinitrotoluene		19000	ט
99-09-2	-3-Nitroaniline		46000	ū
·				

Client No.

				SED-16
Lab Name: <u>SIL Buffalo</u>	Con	tract:		
Lab Code: <u>RECNY</u> Case 1	No.:	SAS No.:	SDG No.: C059	
Matrix: (soil/water) <u>SOI</u>	L		Lab Sample ID:	A5C05917
Sample wt/vol: 30	.32 (g/mL) <u>G</u>		Lab File ID:	V12300.RR
Level: (low/med) <u>LOW</u>	!		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>83</u> deca	anted: (Y/N)	Ŋ	Date Extracted:	10/27/2005
Concentrated Extract Volu	ume: <u>1000</u> (uL)		Date Analyzed:	11/03/2005
Injection Volume: 2.00	<u>0</u> (u <u>L</u> )		Dilution Factor:	10.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND	CONCENTRATION U		
CAS NO. COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9Acenaphthene		19000	U
51-28-52,4-Dinitrophenol		46000	<del>υ</del> -
100-02-74-Nitrophenol		46000	U
132-64-9Dibenzofuran		19000	ש
121-14-22,4-Dinitrotoluene		19000	บ
84-66-2Diethyl phthalate		19000	U
7005-72-34-Chlorophenyl phenyl ether		19000	ט
86-73-7Fluorene		19000	ט
100-01-64-Nitroaniline		46000	U
534-52-14,6-Dinitro-2-methylphenol		46000	ן ט
86-30-6N-nitrosodiphenylamine		19000	υ·
101-55-34-Bromophenyl phenyl ether		19000	U
118-74-1Hexachlorobenzene		19000	U
1912-24-9Atrazine		19000	U
87-86-5Pentachlorophenol		46000	ַ
85-01-8Phenanthrene		1000	J
120-12-7Anthracene		660	J
86-74-8Carbazole		19000	U
84-74-2Di-n-butyl phthalate		19000	<b>ט</b>
206-44-0Fluoranthene		2500	J
129-00-0Pyrene		2300	J
85-68-7Butyl benzyl phthalate		19000	ט ו
91-94-13,3'-Dichlorobenzidine		19000	U
56-55-3Benzo (a) anthracene		1000	J
218-01-9Chrysene		1500	J
117-81-7Bis(2-ethylhexyl) phthalate		19000	ע
117-84-0Di-n-octyl phthalate		19000	ט
205-99-2Benzo (b) fluoranthene		1800	J
207-08-9Benzo(k)fluoranthene		19000	ט
50-32-8Benzo (a) pyrene		1500	J
193-39-5Indeno(1,2,3-cd)pyrene		930	J
53-70-3Dibenzo(a,h)anthracene		19000	U

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# ASP 2000- METHOD 8270 SEMIVOLATTLES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	SED-16
Lab Code: RECNY Case No.: SAS No.:	
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05917
Sample wt/vol: 30.32 (g/mL) G	Lab File ID: <u>V12300.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: 83 decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 10.00
GPC Cleanup: (Y/N) N pH: 7.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2	1000 T

# ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: SIL Buffalo	Ċ	ontract:		ĺ	SED-16		
Lab Code	: <u>RECNY</u> Case	: No.:	SAS No.:	 EDG No.: (	059			
Matrix:	(soil/water) <u>sc</u>	<u> DIL</u>		Lab Sampl	le ID:	A5C0591	.7	
Sample wt	:/vol: _3	0.32 (g/mL)	<u>G</u>	Lab File	ID:	<u>V12300</u> .	RR	
Level:	(low/med) <u>LC</u>	<u>w</u>		Date Samp	/Recv:	10/25/2	<u> 2005 1</u>	0/26/2005
% Moistur	re: <u>82.9</u> de	canted: (Y/N	i) <u>N</u>	Date Exti	acted:	10/27/2	005	
Concentra	ated Extract Vo	lume: <u>1000</u>	(uL)	Date Anal	yzed:	11/03/2	005	
Injection	n Volume:2	<u>.00</u> (uL)		Dilution	Factor:	10.0	<u>10</u>	
GPC Clear	rup: (Y/N) <u>K</u>		7.0					
Number Tl	Cs found: _0			NCENIRATI (ug/L or 1				
	CAS NO.		Compound Name	 RT	Est.	Conc.	Q	]

Client No.

SED-17

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05918

Sample wt/vol: 30.30 (g/mL) G Lab File ID: V12348.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 85 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.9

100-52-7Benzaldehyde			
		8700	U
108-95-2Phenol		8700	ט
111-44-4Bis(2-chloroethyl) ether		8700	ט
95-57-82-Chlorophenol		8700	U
95-48-72-Methylphenol		8700	Ū
108-60-12,2'-Oxybis(1-Chloropropane)		8700	Ū
98-86-2Acetophenone		8700	Ū
106-44-54-Methylphenol	-	8700	Ū
621-64-7N-Nitroso-Di-n-propylamine		8700	Ū
67-72-1Hexachloroethane		8700	Ū
98-95-3Nitrobenzene		8700	ט
78-59-1Isophorone		8700	Ū
88-75-52-Nitrophenol		8700	Ū
105-67-92,4-Dimethylphenol		8700	Ū
111-91-1Bis (2-chloroethoxy) methane		8700	U
120-83-22,4-Dichlorophenol		8700	Ū
91-20-3Naphthalene		8700	Ū
106-47-84-Chloroaniline		8700	Ū
87-68-3Hexachlorobutadiene		8700	Ū
105-60-2Caprolactam		8700	υ
59-50-74-Chloro-3-methylphenol		8700	lu l
91-57-62-Methylnaphthalene		8700	Ū
77-47-4Hexachlorocyclopentadiene		8700	Ü
88-06-22,4,6-Trichlorophenol		8700	Ū
95-95-42,4,5-Trichlorophenol		8700	U
92-52-4Biphenyl		8700	u l
91-58-72-Chloronaphthalene		8700	TI I
88-74-42-Nitroaniline		21000	ן מ
131-11-3Dimethyl phthalate		8700	lu l
208-96-8Acenaphthylene		8700 8700	U
606-20-22,6-Dinitrotoluene		8700 8700	II
99-09-23-Nitroaniline		21000	Ū

Client No.

Lab Name: STL Buffalo	o Contract:		SED-17
••••			
Lab Code: <u>RECNY</u> C	tase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05918
Sample wt/vol:	30.30 (g/mL) <u>G</u>	Lab File ID:	<u>V12348.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>85</u>	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/09/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	4.00

GPC Cleanup: (Y/N) N pH: 6.9

	CONCENIRATION U	NITS:	
CAS NO. COMPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q ·
83-32-9Acenaphthene		8700	U
51-28-52,4-Dinitrophenol		21000	U
100-02-74-Nitrophenol		21000	U
132-64-9Dibenzofuran		8700	ט
121-14-22,4-Dinitrotoluene		8700	lυ
84-66-2Diethyl phthalate		8700	ש
7005-72-34-Chlorophenyl phenyl ether		8700	U
86-73-7Fluorene		8700	U
100-01-64-Nitroaniline		21000	U
534-52-14,6-Dinitro-2-methylphenol		21000	U
86-30-6N-nitrosodiphenylamine		8700	U
101-55-34-Bromophenyl phenyl ether		8700	U
118-74-1Hexachlorobenzene		8700	U
1912-24-9Atrazine		8700	U
87-86-5Pentachlorophenol		21000	U
85-01-8Phenanthrene		520	J
120-12-7Anthracene		8700	ט
86-74-8Carbazole		8700	ָ ע
84-74-2Di-n-butyl phthalate		8700	ַ
206-44-0Fluoranthene		1200	J
129-00-0Pyrene		950	J
85-68-7Butyl benzyl phthalate		8700	ט
91-94-13,3'-Dichlorobenzidine		8700	ט .
56-55-3Benzo (a) anthracene		560	J
218-01-9Chrysene		580	J
117-81-7Bis(2-ethylhexyl) phthalate		8700	ט
117-84-0Di-n-octyl phthalate		8700	Ū
205-99-2Benzo (b) fluoranthene		980	J
207-08-9Benzo(k)fluoranthene		8700	ט
50-32-8Benzo(a) pyrene		670	J
193-39-5Indeno (1, 2, 3-cd) pyrene		460	J
53-70-3Dibenzo (a, h) anthracene		8700	Ū

Lab Name: STL Buffalo Contract:	SED-17
Lab Code: RECNY Case No.: SAS No.:	<del></del>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05918
Sample wt/vol: $30.30$ (g/mL) G	Lab File ID: <u>V12348.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: <u>85</u> decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/09/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 4.00
GPC Cleanup: (Y/N) N pH: 6.9	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	530 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NO.	Compound Name	Ī	RT	Est.	Conc.	Q	
Number T	ICs found: 0		_	ONCENTRAT (ug/L or 1	: <del>-</del>	•		
GPC Clear	rup: (Y/N) <u>N</u>	рН: <u>6.9</u>						
Injection	n Volume:2.00	(uL)		Dilution	Factor:	4.0	<u>10</u>	
Concentra	ated Extract Volum	e: <u>1000</u> (uL)		Date Ana	lyzed:	11/09/2	005	
% Moistu	re: <u>85.0</u> decan	ted: (Y/N) <u>N</u>		Date Ext	racted:	10/27/2	005	
Level:	(low/med) <u>LOW</u>			Date Sam	p/Recv:	10/25/2	005	10/26/2005
Sample wi	t/vol: <u>30.3</u>	0 (g/mL) <u>G</u>		Lab File	D:	<u>V12348.</u>	RR	<del></del>
Matrix:	(soil/water) <u>SOIL</u>			Lab Samp	le ID:	A5C0591	.8	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	<del></del>	SDG No.: 9	C059			
Lab Name	: STL Buffalo	Contract:		·	Į	SED-1/		

Client No.

1001-10	
3ED-10	

Lab Name: STL Buffalo Contract:

Lab Code: <u>RECNY</u> Case No.: \_\_\_\_\_ SDG No.: <u>C059</u>

Matrix: (soil/water) SOIL Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12349.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture:  $\underline{76}$  decanted: (Y/N) N Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:  $_{7.2}$ 

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
100-52-7 108-95-2 111-44-4 95-57-8 95-48-7 108-60-1 98-86-2 106-44-5 621-64-7 98-95-3 78-59-1 105-67-9 111-91-1 120-83-2 91-20-3 106-47-8 87-68-3 105-60-2 59-50-7 91-57-6 77-47-4 88-06-2 95-95-4 91-58-7 88-74-4 131-11-3	-Benzaldehyde -Phenol -Bis (2-chloroethyl) ether -2-Chlorophenol -2,2'-Oxybis (1-Chloropropane) -Acetophenone -4-Methylphenol -N-Nitroso-Di-n-propylamine -Hexachloroethane -Nitrobenzene -Isophorone -2-Nitrophenol -2,4-Dimethylphenol -Bis (2-chloroethoxy) methane -2,4-Dichlorophenol -Naphthalene -4-Chloroaniline -Hexachlorobutadiene -Caprolactam -4-Chloro-3-methylphenol -2-Methylnaphthalene -Hexachlorocyclopentadiene -2,4,6-Trichlorophenol -2,4,5-Trichlorophenol	(ug/L or ug/k	5500 5500	ל המממממממממממממממממממ D
606-20 <b>-</b> 2 99-09-2	-2,6-Dinitrotoluene -3-Nitroaniline		5500 13000	U U

Dilution Factor: \_\_\_\_4.00

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	Contract:		SED-18
Lab Code: RECNY Case No.:	· · ·	SDG No.: C059	
Matrix; (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05919
Sample wt/vol: 30.19 (g/mL)	<u>G</u>	Lab File ID:	<u>V12349.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>76</u> decanted: (Y	(N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000 (	uL)	Date Analyzed:	11/09/2005

GPC Cleanup: (Y/N) N pH: 7.2

Injection Volume: 2.00 (uL)

CAS NO. COMPOUND	CONCENTRATION U (ug/L or ug/Kg		Q
83-32-9Acenaphthene		5500	שר
51-28-52,4-Dinitrophenol		13000	บ
100-02-74-Nitrophenol		13000	U
132-64-9Dibenzofuran		5500	บ
121-14-22,4-Dinitrotoluene	-	5500	Ū
84-66-2Diethyl phthalate		5500	U
7005-72-34-Chlorophenyl phenyl ether		5500	ט
86-73-7Fluorene		5500	Ū
100-01-64-Nitroaniline		13000	ប
534-52-14,6-Dinitro-2-methylphenol		13000	υ
86-30-6N-nitrosodiphenylamine		5500	U
101-55-34-Bromophenyl phenyl ether		5500	U
118-74-1Hexachlorobenzene		5500	ט
1912-24-9Atrazine		5500	ט
87-86-5Pentachlorophenol		13000	ט
85-01-8Phenanthrene		1800	J
120-12-7Anthracene		440	J
86-74-8Carbazole		270	J
84-74-2Di-n-butyl phthalate		5500	U
206-44-0Fluoranthene		4900	J
129-00-0Pyrene		3800	J
85-68-7Butyl benzyl phthalate		5500	ប
91-94-13,3 -Dichlorobenzidine		5500	υ
56-55-3Benzo (a) anthracene		2400	J
218-01-9Chrysene		2600	J.
117-81-7Bis (2-ethylhexyl) phthalate		610	BJÜ
117-84-0Di-n-octyl phthalate		5500	U
205-99-2Benzo (b) fluoranthene		3600	J
207-08-9Benzo (k) fluoranthene		1500	J
50-32-8Benzo (a) pyrene		2800	J
193-39-5Indeno (1, 2, 3-cd) pyrene		2100	J
53-70-3Dibenzo (a, h) anthracene		580	J

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# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	SED-18
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05919
Sample wt/vol: $30.19$ (g/mL) $G$	Lab File ID: V12349.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: <u>76</u> decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/09/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 4.00
GPC Cleanup: (Y/N) N pH: 7.2	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	2600 Ј

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SED-18	
i	

Lab Name: STL Buffalo

Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05919

Sample wt/vol: 30.19 (g/mL) G

Lab File ID:

V12349.RR

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 76.1 decanted: (Y/N) N

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

Injection Volume: \_\_\_\_2.00 (uL)

Number TICs found: 4

Date Analyzed: <u>11/09/2005</u>

GPC Cleanup: (Y/N) N pH: 7.2

CONCENTRATION UNITS:

Dilution Factor: 4.00

(ug/L or ug/Kg)

UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN 22,23-DIHYDRO-STIGMASIEROL STIGMASI-4-EN-3-ONE UNKNOWN	17.65	1100	J
2. 100020-98-0		18.60	2000	JN
3. 1058-61-3		19.31	1600	JN
4.		20.05	1500	J

Client No.

	SED-19	
1		

Lab Name: STL Buffalo Contract:	
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Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) <u>G</u> Lab File ID: <u>V12304.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

		CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
100-52-7	Benzaldehyde		6800	U
108-95-2			6800	Ū
111-44-4	Bis(2-chloroethyl) ether		6800	U
95-57-8	2-Chlorophenol		6800	บ
95-48-7	2-Methylphenol		6800	ប
108-60-1	2,2'-Oxybis(1-Chloropropane)		6800	Ū
98-86-2	Acetophenone		6800	ΙŪ
106-44-5	4-Methylphenol		6800	โบ
621-64-7	N-Nitroso-Di-n-propylamine		6800	Ū
67-72-1	Hexachloroethane		6800	υ
	Nitrobenzene		6800	שו
78-59-1	Isophorone		6800	υ
88-75-5	2-Nitrophenol		6800	Ū
105-67-9	2,4-Dimethylphenol		6800	Ū
111-91-1	Bis(2-chloroethoxy) methane		6800	ט די די די די די די די די די די די די די
120-83-2	2,4-Dichlorophenol	-	6800	Ū
91-20-3	Naphthalene		6800	U
106-47-8	4-Chloroaniline		6800	Ū
87-68-3	Hexachlorobutadiene		6800	. U
105-60-2	Caprolactam		6800	lυ
59 <b>-</b> 50-7	4-Chloro-3-methylphenol		6800	שו
91-57-6	2-Methylnaphthalene		6800	Ü
77-47-4	Hexachlorocyclopentadiene		6800	Ū
88-06-2	2,4,6-Trichlorophenol		6800	υ
95-95-4	2,4,5-Trichlorophenol		6800	U
92-52-4	Biphenyl		6800	ט
91-58-7	2-Chloronaphthalene		6800	U
88-74-4	2-Nitroaniline		16000	Ū
131-11-3	Dimethyl phthalate		6800	Ū
208-96-8	Acenaphthylene	-	280	J
606-20-2	2,6-Dinitrotoluene		6800	U
99-09-2	3-Nitroaniline		16000	U

Client No.

SED-19	
בד-תיזכן	-
ريد صدارا	-

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05922

Sample wt/vol: 30.87 (g/mL) G Lab File ID: V12304.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.4

#### CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 83-32-9-----Acenaphthene 6800 51-28-5----2,4-Dinitrophenol 16000 U 100-02-7----4-Nitrophenol\_\_\_\_ U 16000 132-64-9-----Dibenzofuran 6800 U 121-14-2----2,4-Dinitrotoluene\_\_\_\_ 6800 U 84-66-2-----Diethyl phthalate 6800 U 7005-72-3----4-Chlorophenyl phenyl ether U 6800 86-73-7----Fluorene 6800 U 100-01-6----4-Nitroaniline 16000 U 534-52-1----4,6-Dinitro-2-methylphenol U 16000 86-30-6----N-nitrosodiphenylamine Ŭ 6800 101-55-3----4-Bromophenyl phenyl ether U 6800 118-74-1----Hexachlorobenzene 6800 U 1912-24-9----Atrazine 6800 Ħ 87-86-5----Pentachlorophenol 16000 Ū 85-01-8-----Phenanthrene 2500 J 120-12-7----Anthracene 560 J 86-74-8-----Carbazole 350 J 84-74-2----Di-n-butyl phthalate 6800 U 206-44-0----Fluoranthene\_\_\_ J 5200 129-00-0-----Pyrene 4100 J 85-68-7-----Butyl benzyl phthalate U 6800 91-94-1----3,3'-Dichlorobenzidine 6800 U 56-55-3----Benzo(a) anthracene 2600 J 218-01-9-----Chrysene 2600 J 117-81-7----Bis(2-ethylhexyl) phthalate U 6800 117-84-0----Di-n-octyl phthalate 6800 U 205-99-2----Benzo (b) fluoranthene J 3400 207-08-9----Benzo(k) fluoranthene J 1400 50-32-8-----Benzo (a) pyrene 2800 J 193-39-5----Indeno (1, 2, 3-cd) pyrene 1500 J 53-70-3-----Dibenzo (a, h) anthracene 440

Lab Name: STL Buffalo	Contract:	···-	SED-19
Lab Code: <u>RECNY</u> Case No.			
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05922
Sample wt/vol: 30.87	(g/mĽ) <u>G</u>	Lab File ID:	<u>V12304.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 53 decante	ed: (Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume	: <u>1000</u> (uL)	Date Analyzed:	11/03/2005
Injection Volume: 2.00 (uI	L)	Dilution Factor:	10.00
GPC Cleanup: (Y/N) N pH:	7.4		
CAS NO. COMPO	OUND	CONCENTRATION UNITS:	<u>UG/KG</u> Q
191-24-2Benzo	o(ahi)perylene	17	700 J.T

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: §	STL Buffalo	Cor	ntract:				SED-19		
Lab Code: <u>F</u>	RECINY Case No.	·:	SAS No.:		SDG No.: 9	<u> 2059</u>			
Matrix: (so	oil/water) <u>SOIL</u>				Lab Sampi	le ID:	A5C0592	22	
Sample wt/v	vol: <u>30.8</u>	7 (g/mL) <u>G</u>	-		Lab File	ID:	<u>V12304</u> .	RR	
Level: (1	low/med) <u>LOW</u>				Date Sam	p/Recv:	10/25/2	2005 ;	10/26/2005
% Moisture:	<u>52.9</u> decant	ted: (Y/N)	N		Date Ext	racted:	10/27/2	2005	
Concentrate	ed Extract Volume	e: <u>1000</u> (	(uL)		Date Anal	lyzed:	11/03/2	2005	
Injection V	/olume:2.00	(uL)			Dilution	Factor	10.0	<u>00</u>	
GPC Cleanup	o: (Y/N) <u>N</u>	pH: _	7.4						
Number TICs	s found:0			(	CONCENTRAT: (ug/L or t			•	
	CAS NO.	Co	mpound Name		RT	Est.	Conc.	Q	7

Client No.

Lab Name	: <u>STL Buffa</u> ]	.0	Contract:		SED-19A
Lab Code	: RECNY C	lase No.:	SAS No.:	SDG No.: <u>C059</u>	-
Matrix:	(soil/water)	SOIL		Lab Sample ID:	A5C05920
Sample w	t/vol:	<u>30.37</u> (g/mL)	<u>G</u>	Lab File ID:	<u>V12350.RR</u>
Level:	(low/med)	TOM		Date Samp/Recv:	10/25/2005 10/26/2005

% Moisture:  $\underline{\phantom{0}}$  Date Extracted:  $\underline{\phantom{0}}$  Date Extracted:  $\underline{\phantom{0}}$  10/27/2005 Concentrated Extract Volume:  $\underline{\phantom{0}}$  1000 (uL) Date Analyzed:  $\underline{\phantom{0}}$  11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

		CONCENTRATION U	NITS:	
CAS NO.	OMPOUND	(ug/L or ug/Kg	j) <u>UG/KG</u>	Q
100-52-7E	Senzaldehyde		3000	U
108-95-2P			3000	υ
111-44-4B	Bis(2-chloroethyl) ether		3000	Ü
95-57-82	-Chlorophenol		3000	U
95-48-72	-Methylphenol		3000	IJ
108-60-12	,2'-Oxybis(1-Chloropropane)		3000	ΙŪ
98-86-2A	cetophenone		3000	II
106-44-54	-Methylphenol		3000	U
621-64-7N	-Nitroso-Di-n-propylamine		3000	Ü
67-72-1H	exachloroethane		3000	Ū
98-95-3N			3000	lii
78-59-1I	sophorone		3000	Ü
88-75-52	-Nitrophenol		3000	บ
105-67-92	,4-Dimethylphenol		3000	U
111-91-1B	is(2-chloroethoxy) methane		3000	Ū
120-83-22	,4-Dichlorophenol		3000	บ็
91-20-3N	aphthalene		3000	บ
106-47-84	-Chloroaniline		3000	Ū
87-68-3Не	exachlorobutadiene .		3000	Ü
105-60-2Ca	aprolactam		3000	Ū
59-50-74-	-Chloro-3-methylphenol		3000	U
91-57-62-	-Methylnaphthalene		3000	Ü
77-47-4Не	exachlorocyclopentadiene		3000	Ü
88-06-22,	,4,6-Trichlorophenol		3000	U
95-95-42,	4,5-Trichlorophenol		3000	Ü
92-52-4Bi	iphenvl		3000	Ü
	-Chloronaphthalene		3000	Ū
88-74-42-	-Nitroaniline		7400	U
	imethyl phthalate	<del></del>	3000	U
208-96-8 <b>-</b> Ac	cenaphthylene		3000	II
606-20-22.	6-Dinitrotoluene		3000	n n
99-09-23-	Nitroaniline		7400	II
			7400	١٥

Client No.

13A
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Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G Lab File ID: V12350.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: <u>57</u> decanted: (Y/N) N Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: <u>11/09/2005</u>

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 17.4

# CONCENTRATION UNITS: (na/L or na/Ka) IIG/KG

CAS NO. COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9Acenaphthene		3000	U
51-28-52,4-Dinitrophenol		7400	ប
100-02-74-Nitrophenol		7400	U
132-64-9Dibenzofuran		3000	U
121-14-22,4-Dinitrotoluene		3000	U
84-66-2Diethyl phthalate		3000	U
7005-72-34-Chlorophenyl phenyl et	her	3000	U
86-73-7Fluorene		3000	U
100-01-64-Nitroaniline		7400	U
534-52-14,6-Dinitro-2-methylphen	ol	7400	U
86-30-6N-nitrosodiphenylamine		3000	U
101-55-34-Bromophenyl phenyl eth	er	3000	U
118-74-1Hexachlorobenzene		3000	U
1912-24-9Atrazine		3000	U
87-86-5Pentachlorophenol		7400	υ
85-01-8Phenanthrene		270	J
120-12-7Anthracene		3000	U
86-74-8Carbazole		3000	υ
84-74-2Di-n-butyl phthalate		3000	U
206-44-0Fluoranthene		720	J
129-00-0Pyrene		600	J
85-68-7Butyl benzyl phthalate		3000	บ
91-94-13,3'-Dichlorobenzidine		3000	U
56-55-3Benzo (a) anthracene		360	J
218-01-9Chrysene		380	J
117-81-7Bis(2-ethylhexyl) phthal	ate	3000	U
117-84-0Di-n-octyl phthalate		3000	บ
205-99-2Benzo (b) fluoranthene		550	J
207-08-9Benzo(k) fluoranthene		220	J
50-32-8Benzo (a) pyrene		420	J
193-39-5Indeno (1,2,3-cd) pyrene		320	J
53-70-3Dibenzo (a, h) anthracene		3000	Ū

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# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name	: STL Buffal	.o Co1	ntract:		SED-19A
Lab Code	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.: <u>C059</u>	·
Matrix:	(soil/water)	SOIL		Lab Sample ID:	A5C05920
Sample wt	t/vol:	<u>30.37</u> (g/mL) <u>G</u>		Lab File ID:	V12350.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moistur	re: <u>57</u>	decanted: (Y/N)	$\overline{\mathbf{N}}$	Date Extracted:	10/27/2005
Concentra	ated Extract	Volume: 1000 (uL)		Date Analyzed:	11/09/2005
Injection	n Volume:	2.00 (uL)		Dilution Factor	: <u>4.00</u>
GPC Clear	up: (Y/N) <u>l</u>	N pH: _7.4		•	
	CAS NO.	COMPOUND		ONCENIRATION UNITS (ug/L or ug/Kg)	
	191-24-2	Benzo(ghi)peryl	.ene		420 J

### ASP 2000~ METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

SED-19	Α.	 
i		

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05920

Sample wt/vol: 30.37 (g/mL) G Lab File ID: V12350.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: <u>57.4</u> decanted: (Y/N) <u>N</u> Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:

Number TICs found: 2 (ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.60	1000	J
2. 86917-79-5	.BETASITOSTEROL	20.04	630	JN

Client No.

Lab Name: STL Buffal	. <u>o</u>	bntract:		TP-21
Lab Code: RECNY C	`ase No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05901
Sample wt/vol:	_30.35 (g/mL) <u>G</u>	L	Lab File ID:	V12276.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: <u>57</u>	decanted: (Y/N	) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL	)	Date Analyzed:	11/02/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.3}$ 

		CONCENTRATION UN	NTS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Q
100-52-7	Benzaldehyde		760	U
108-95-2	Phenol		760 760	Ü
111-44-4	Bis(2-chloroethyl) ether		760 760	U
95-57-8	2-Chlorophenol	· · · · · · · · · · · · · · · · · · ·	760 760	ŭ
95-48-7	2-Methylphenol		760 760	บ
108-60-1	2,2'-Oxybis(1-Chloropmonane)		760 760	lμ
98-86-2	Acetophenone		760 760	U
106-44-5	4-Methylphenol		760 55	J
621-64-7	N-Nitroso-Di-n-propylamine	<del></del>	760	П
67-72-1	Hexachloroethane		760 760	U
98-95-3	Nitrobenzene		760 760	} ~
78-59-1	Isophorone		760 760	Ū
88-75-5	2-Nitrophenol		760 760	Ū
105-67-9	2,4-Dimethylphenol			U
111-91-1	Bis(2-chloroethoxy) methane		760 760	U
120-83-2	2,4-Dichlorophenol			ū
91-20-3	Naphthalene		760	ū
106-47-8	4-Chloroaniline		740	J
87-68-3	Hexachlorobutadiene		760	U
105-60-2	Caprolactam		760	U
59-50-7	4-Chloro-3-methylphenol		760	U
91-57-6	2-Methylnaphthalene		760	U
77-47-4	Hexachlorocyclopentadiene		1100	
88-06-2	2,4,6-Trichlorophenol		760	U
95-95-4	2,4,5-Trichlorophenol		760	U
92-52-4	Riphonyl		760	U
91-58-7	2-Chloronaphthalene		240	J
88-74-4	2-Witroaniline		760	U
131-11-2-			1800	U
208-06-6	Panaphth J Timetrily Distributate		760	U
£00-30-0	Acenaphthylene		1400	
000-20-2	2,6-Dinitrotoluene		760	U
<i>ンシ</i> ーUツー <b>Z</b> ーーーー	3-Nitroaniline		1800	ט
				1

Client No.

Iab Name: <u>STL Buffalo</u>	Contract:	·	TP-21
Lab Code: <u>RECNY</u> Ca	se No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05901
Sample wt/vol:	30.35 (g/mL) <u>G</u>	Lab File ID:	<u>V12276.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture:57	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract <sup>1</sup>	Volume: <u>1000</u> (uL)	Date Analyzed:	11/02/2005

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.3

Injection Volume: 2.00 (uL)

		CONCENTRATION UN	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
83-32-9 51-28-5 100-02-7 132-64-9 121-14-2 84-66-2 7005-72-3 86-73-7 100-01-6 534-52-1 86-30-6 101-55-3 118-74-1 1912-24-9 87-86-5 85-01-8 120-12-7 84-74-2 206-44-0 129-00-0	Acenaphthene2,4-Dinitrophenol4-NitrophenolDibenzofuran2,4-DinitrotolueneDiethyl phthalate4-Chlorophenyl phenyl etherFluorene4-Nitroaniline4,6-Dinitro-2-methylphenolN-nitrosodiphenylamine4-Bromophenyl phenyl etherHexachlorobenzeneAtrazinePentachlorophenolPhenanthreneAnthraceneCarbazoleDi-n-butyl phthalateFluoranthenePyrene		720 1800 1800 1800 390 760 760 760 1600 1800 1800 760 760 760 760 760 1800 9600 1700 440 80 9900 11000	בברר בתהתהתהת ההתרחחר צבר ב
91-94-1 56-55-3 218-01-9 117-81-7 117-84-0 205-99-2 207-08-9 50-32-8 193-39-5	Butyl benzyl phthalate3,3'-DichlorobenzidineBenzo(a) anthraceneChryseneBis(2-ethylhexyl) phthalateDi-n-octyl phthalateBenzo(b) fluorantheneBenzo(k) fluorantheneBenzo(a) pyreneIndeno(1,2,3-cd) pyreneDibenzo(a,h) anthracene		760 760 4600 5500 7600 760 6200 6500 3400 1700 970	E Z

### 140/3459

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL	<u>Buffalo</u>	Contract:		TP-21
Lab Code: RECO	Y Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/	water) <u>SOIL</u>		Lab Sample ID:	<u>A5C05901</u>
Sample wt/vol:	_30.35 (g/mL)	<u>G</u>	Lab File ID:	<u>V12276.RR</u>
Level: (low/	med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture:	57 decanted: (Y,	'N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated E	xtract Volume: 1000(t	ıŢ')	Date Analyzed:	11/02/2005
Injection Volu	me: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup:	(Y/N) N pH: 7.3			
CAS N	O. COMPOUND	·	CONCENTRATION UNITS: (ug/L or ug/Kg)	
191-2	4-2Benzo(ahi) pe	rvlene	1:	900

### ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-21	
115-21	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901

Sample wt/vol:  $\underline{30.35}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{V12276.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>

% Moisture: <u>57.2</u> decanted: (Y/N) <u>N</u> Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: \_\_\_\_\_2.00 (uL) Dilution Factor: \_\_\_\_1.00

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	9.10	2200	J
2.	UNKNOWN HYDROCARBON	9.33	7300	J
3.	TETRAHYDRONAPHTHALENE ISOMER	9.98	2600	J
4.	UNKNOWN CYCLOHEXANE DER.	10.02	17000	J
5.	DIMETHYLNAPHTHALENE ISOMER	10.62	4100	J
6.	DIMETHYLNAPHTHALENE ISOMER	10.73	9300	J.
7.	DIMETHYLNAPHTHALENE ISOMER	10.78	4300	J
8. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	10.80	8900	JN
9.	UNKNOWN	10.83	6000	J
10.	UNKNOWN CYCLOHEXANE DER.	10.89	11000	J
11.	UNKNOWN	11.10	8800	J
12.	UNKNOWN	11.40	3600	J
13.	UNKNOWN	11.48	2100	J
14.	UNKNOWN HYDROCARBON	11.63	10000	J
15.	UNKNOWN HYDROCARBON	11.67	6500	J
16.	UNKNOWN HYDROCARBON	11.72	19000	J
17.	UNKNOWN HYDROCARBON	11.77	4000	J
18.	UNKNOWN	11.84	10000	J

Q

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: SIL Buffal	<u> </u>	ontract:		TP-21 DL
Lab Code: RECNY C	_	····	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05901DL
Sample wt/vol:	30.35 (g/mL) <u>G</u>	<del>-</del>	Lab File ID:	V12290.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: <u>57</u>	decanted: (Y/N	) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	)	Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	10.00

GPC Cleanup: (Y/N) N pH: \_7.3

CAS NO. COMPOUND

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

100-52-7-----Benzaldehyde 7600
108-95-2-----Phenol 7600

100-52-7Benzaldehyde	7600	ט
108-95-2Phenol	7600	Ü
111-44-4Bis(2-chloroethyl) ether	7600	Ū
95-57-82-Chlorophenol	7600	lΰ
95-48-72-Methylphenol	7600	Ū
108-60-12,2'-Oxybis(1-Chloropropane)	7600	ប
98-86-2Acetophenone	7600	Ū
106-44-54-Methylphenol	7600	Ιυ
621-64-7N-Nitroso-Di-n-propylamine	7600	Ū
67-72-1Hexachloroethane	7600	Ū
98-95-3Nitrobenzene	7600	ען בי
78-59-1Isophorone	7600	Ū
88-75-52-Nitrophenol	7600	Ū
105-67-92,4-Dimethylphenol	7600	ן ט
111-91-1Bis(2-chloroethoxy) methane	7600	Ū
120-83-22,4-Dichlorophenol		ן ט
91-20-3Naphthalene	790	التوا
106-47-84-Chloroaniline		U
87-68-3Hexachlorobutadiene	7600	<u>י</u> ד
105-60-2Caprolactam	7600	ן מן
59-50-74-Chloro-3-methylphenol	7600	ן ט
91-57-62-Methylnaphthalene	1100	ا تما
77-47-4Hexachlorocyclopentadiene	7600	υ
88-06-22,4,6-Trichlorophenol	7600	ן ט
95-95-42,4,5-Trichlorophenol	7600	U
92-52-4Biphenyl	7600	Ū
91-58-72-Chloronaphthalene	7600	Ū
88-74-42-Nitroaniline	18000	Ū
131-11-3Dimethyl phthalate	7600	ū
208-96-8Acenaphthylene	1200	La l
606-20-22,6-Dinitrotoluene	7600	บ
99-09-23-Nitroaniline	18000	Ū

Client No.

TP-21	DL	-

Lab Name: STL Buffalo Contract: \_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12290.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>

% Moisture:  $\underline{\phantom{0}57}$  decanted: (Y/N)  $\underline{N}$  Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

		CONCENTRATION U		
CAS NO. COMPO		(ug/L or ug/Kg	) <u>UG/KG</u>	Q
83-32-9Acena	phthene		740	עם
51-28-52,4-D			18000	U
100-02-74-Nit			18000	U
132-64-9Diben			430	M
121-14-22,4-D	initrotoluene		7600	U
84-66-2Dieth	yl phthalate		7600	U
7005-72-34-Chl	prophenyl phenyl ether		7600	U
86-73-7Fluor	ene		1700	עם
100-01-64-Nit	<del></del>		18000	ן ט
534-52-14,6-D	initro-2-methylphenol		18000	U
86-30-6N-nit	rosodiphenylamine		7600	U
101-55-34-Bro	mophenyl phenyl ether		7600	U
118-74-1Hexac		-	7600	U
1912-24-9Atraz			7600	U
87-86-5Penta			18000	ט
85-01-8Phena			10000	D
120-12-7Anthra	acene		1500	M
86-74-8Carba			400	$\square$
84-74-2Di-n-	outyl phthalate		7600	ט
206-44-0Fluora	anthene		14000	D
129-00-0Pyrene	2		14000	D
85-68-7Butyl	benzyl phthalate		7600	<b>υ</b>
91-94-13,3 -1	Dichlorobenzidine		7600	บ
56-55-3Benzo			4800	
218-01-9Chryse	ene		6200	ע
117-81-7Bis(2-	ethylhexyl) phthalate		16000	BL
117-84-0Di-n-c	ctyl phthalate		7600	U l
205-99-2Benzo	(b)fluoranthene		5400	ומ
207-08-9Benzo	(k)fluoranthene	···	2300	DJ
50-32-8Benzo	(a) pyrene		4200	TQ
193-39-5Indend	(1,2,3-cd) pyrene		2700	DJ
53-70-3Dibenz	o(a,h)anthracene		870	DJ

Lab Name: STL Buffalo Contract:	TP-21 DL
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05901DL
Sample wt/vol: $30.35$ (g/mL) $G$	Lab File ID: V12290.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/24/2005 10/26/2005
% Moisture: <u>57</u> decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:10.00
GPC Cleanup: (Y/N) N pH: 7.3	·
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	3200 DJ

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-21	. DL		

Lab Name: STL Buffalo

Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05901DL

Sample wt/vol: 30.35 (g/mL) G

Lab File ID: V12290.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: <u>57.2</u> decanted: (Y/N) <u>N</u>

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/03/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 16

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	9.07	2300	J
2.	UNKNOWN HYDROCARBON	9.23	2200	J
3. 90-12-0	1-METHYLNAPHTHALENE	9.80	1900	JN
4. 5617-41-4	HEPTYLCYCLOHEXANE	9.99	2800	JN
5.	UNKNOWN HYDROCARBON	10.92	1800	J
6.	UNKNOWN HYDROCARBON	11.59	1800	J
7. 17312-83-3	UNKNOWN HYDROCARBON	12.89	2600	JN
8.	TEIRAMETHYLNAPHTHALENE ISOME	12.92	4500	J
9.	UNKNOWN	13.36	6500	J
10.	UNKNOWN PAH DER.	13.79	6800	J
11.	UNKNOWN PAH DER.	13.82	12000	J
12.	UNKNOWN PAH DER.	13.90	7900	J
13.	UNKNOWN HYDROCARBON	14.36	14000	J
14.	UNKNOWN HYDROCARBON	15,45	9400	J
15.	UNKNOWN PAH DER.	17.68	11000	J
16.	UNKNOWN PAH DER.	18.01	8300	J

Client No.

Lab Name: STL Buffal	<u>.o</u> Co	ontract:	·	TP-23
Lab Code: RECNY C	ase No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05902
Sample wt/vol:	_30.23 (g/mL) <u>G</u>		Lab File ID:	<u>V12277.RR</u>
Level: (low/med)	LOW		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture:55	decanted: (Y/N)	Й	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)		Date Analyzed:	11/02/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.1

CAS NO.	COMPOLIND	CONCENTRATION U		
	- CONTOURD	(ug/L or ug/Kg	j) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde		730	U
108-95-2	Phenol		730 730	lσ
111-44-4	Bis(2-chloroethyl) ether		730 730	ט
95-57-8	2-Chlorophenol		730 730	ט
95-48-7	2-Methylphenol		730 730	IJ
108-60-1	2,2'-Oxybis(1-Chlomomonane)		730 730	ln O
98-86-2	Acetophenone		730 730	U
106-44-5	4-Methylphenol		730 730	ט
621-64-7	-N-Nitroso-Di-n-propylamine		730 730	1 -
67-72-1	Hexachloroethane		730 730	ט
98-95-3	Nitrobenzene		730 730	U
78-59-1	Isophorone	<del></del>	730 730	U
88-75-5	2-Nitrophenol	· · · · · · · · · · · · · · · · · · ·	730 730	U
105-67-9	2,4-Dimethylphenol		730 730	
111-91-1	-Bis(2-chloroethoxy) methane		730 730	U
120-83-2	-2,4-Dichlorophenol		730 730	שׁ
91-20-3	-Naphthalene		730 57	U
106-47-8	-4-Chloroaniline		730	J
87-68-3	-Hexachlorobutadiene		730 730	U
105-60-2	-Caprolactam		730 730	Ū
59-50-7	-4-Chloro-3-methylphenol			U
91-57-6	-2-Methylnaphthalene		730	្មិ
77-47-4	-Hexachlorocyclopentadiene		41	J
88-06-2	-2,4,6-Trichlorophenol		730	Ū
95-95-4	-2,4,5-Trichlorophenol		730	ū
92-52-4	-Biphenyl		730	U
91-58-7	-2-Chloronaphthalene		730	U
88-74-4	-2-Nitroaniline		730	U
131-11-3	-Dimethyl phthalate		1800	U
208-96-8	-Acenaphthylene		730	U
606-20-2	-2,6-Dinitrotoluene	<del></del>	160	J
99-09-2	-3-Nitroaniline		730	U
			1800	U

Client No.

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05902

Sample wt/vol: 30.23 (g/mL) G Lab File ID: V12277.RR

Level: (low/med) LOW Date Samp/Recv:  $\underline{10/24/2005}$   $\underline{10/26/2005}$ 

% Moisture:  $\underline{55}$  decanted: (Y/N)  $\underline{N}$  Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

#### CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 83-32-9-----Acenaphthene J 40 51-28-5----2,4-Dinitrophenol U 1800 100-02-7----4-Nitrophenol U 1800 132-64-9-----Dibenzofuran J 33 121-14-2----2,4-Dinitrotoluene U 730 84-66-2----Diethyl phthalate IJ 730 7005-72-3----4-Chlorophenyl phenyl ether U 730 86-73-7----Fluorene 78 J 100-01-6----4-Nitroaniline 1800 U υŔ 534-52-1----4,6-Dinitro-2-methylphenol 1800 86-30-6----N-nitrosodiphenylamine 730 U 101-55-3----4-Bromophenyl phenyl ether U 730 118-74-1----Hexachlorobenzene 730 U 1912-24-9----Atrazine 730 U 87-86-5----Pentachlorophenol U 1800 85-01-8-----Phenanthrene\_\_\_\_ 500 J 120-12-7-----Anthracene J 140 86-74-8-----Carbazole J 69 84-74-2----Di-n-butyl phthalate U 730 206-44-0----Fluoranthene 880 129-00-0-----Pyrene 710 J 85-68-7-----Butyl benzyl phthalate 730 U 91-94-1----3,3'-Dichlorobenzidine 730 U 56-55-3-----Benzo (a) anthracene\_\_\_\_\_ J 460 218-01-9-----Chrysene J 500 BJ () 117-81-7----Bis(2-ethylhexyl) phthalate 89 117-84-0-----Di-n-octyl phthalate U 730 205-99-2----Benzo (b) fluoranthene J 710 207-08-9----Benzo (k) fluoranthene J 300 50-32-8-----Benzo (a) pyrene 520 J 193-39-5----Indeno (1, 2, 3-cd) pyrene 330 J 53-70-3-----Dibenzo(a,h)anthracene 97

#### 148/3459

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo	Contract:		TP-23
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05902
Sample wt/vol: $30.23$ (g/mL)	<u>.</u> <u>G</u> .	Lab File ID:	V12277.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: <u>55</u> decanted: (Y	//N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000(	uL)	Date Analyzed:	11/02/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.1			
CAS NO. COMPOUND		ONCENTRATION UNITS:	
191-24-2Benzo(ghi) p	erylene		340 J

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

כנ-מיני	
15-23	

V12277.RR

Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>

Lab Name: STL Buffalo

Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL

Sample wt/vol: 30.23 (g/mL) G

Level: (low/med) <u>LOW</u>

% Moisture: <u>55.3</u> decanted: (Y/N) N

Concentrated Extract Volume: 1000 (uL)

Injection Volume: \_\_\_\_2.00 (uL)

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 8

CONCENTRATION UNITS:

Lab File ID:

(ug/L or ug/Kg) <u>UG/KG</u>

Lab Sample ID: A5C05902

Date Extracted: <u>10/27/2005</u>

Date Analyzed: <u>11/02/2005</u>

Dilution Factor: \_\_\_\_1.00

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 112-80-1 5. 27519-02-4 6. 7. 83-46-5 8. 6538-02-9	UNKNOWN KETONE UNKNOWN PAH DER. UNKNOWN PAH DER. OLEIC ACID (Z)-9-TRICOSENE UNKNOWN ALKENE .BEIASITOSTEROL ERGOSTANOL	13.38 13.83 13.92 14.62 15.74 16.88 18.69 18.76	270 160 630 510 800 840 2100 1500	J J J J J J J J N J N

Client No.

Lab Name: STL Buffal	Contract:	•	TP-26
Lab Code: RECNY (	Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05903
Sample wt/vol:	30.19 (g/mL) <u>G</u>	Lab File ID:	V12278.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: 53	decanted: (Y/N) N	Date Extracted:	10/27/2005
	·		•

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/02/2005

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

Injection Volume: 2.00 (uL)

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG\_ Q 100-52-7----Benzaldehyde 700 U 108-95-2----Phenol 60 J 111-44-4----Bis(2-chloroethyl) ether 700 U 95-57-8----2-Chlorophenol 700 U 95-48-7----2-Methylphenol 89 J 108-60-1----2,2'-Oxybis(1-Chloropropane) 700 U 98-86-2----Acetophenone 700 U 106-44-5----4-Methylphenol J 170 621-64-7----N-Nitroso-Di-n-propylamine 700 U 67-72-1----Hexachloroethane Ų 700 98-95-3-----Nitrobenzene 700 U 78-59-1----Isophorone ប្រ 700 88-75-5----2-Nitrophenol U J 700 105-67-9----2,4-Dimethylphenol JJ 130 111-91-1----Bis(2-chloroethoxy) methane uЛ 700 120-83-2----2,4-Dichlorophenol បូរី 700 91-20-3----Naphthalene JJ 160 106-47-8----4-Chloroaniline 700 UJ 87-68-3----Hexachlorobutadiene UJ 700 -105-60-2-----Caprolactam 700 UJ 59-50-7----4-Chloro-3-methylphenol ប្រ 700 91-57-6----2-Methylnaphthalene JJ 110 77-47-4----Hexachlorocyclopentadiene 700 U 88-06-2----2,4,6-Trichlorophenol 700 U 95-95-4----2,4,5-Trichlorophenol 700 U 92-52-4----Biphenyl 700 Ū 91-58-7-----2-Chloronaphthalene 700 U 88-74-4----2-Nitroaniline 1700 U 131-11-3-----Dimethyl phthalate 700 U 208-96-8----Acenaphthylene 620 ıΤ 606-20-2----2,6-Dinitrotoluene 700 U 99-09-2----3-Nitroaniline 1700 U

Client No.

Lab Name: <u>STL Buffalo</u>	Contract:	÷	TP-26
Lab Code: <u>RECNY</u> Case No.:	•	SDG No.: <u>C059</u>	<u>-</u>
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05903
Sample wt/vol: 30.19	(g/mĽ) <u>G</u>	Lab File ID:	V12278,RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: <u>53</u> decanted	i: (Y/N) <u>N</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume:	<u>1000</u> (പ്L)	Date Analyzed:	11/02/2005

GPC Cleanup: (Y/N) N pH: 6.9

Injection Volume: 2.00 (uL)

CONCENTRATION UNITS:

Dilution Factor: \_\_\_\_1.00

		CONCENTRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
	Acenaphthene		280	J
51-28-5	2,4-Dinitrophenol		1700	Jυ
100-02-7	4-Nitrophenol		1700	U
	Dibenzofuran		700	U
	2,4-Dinitrotoluene		700	ט
84-66-2	Diethyl phthalate		700	ប
7005-72-3	4-Chlorophenyl phenyl ether		700	U
86-73-7			700	U
	4-Nitroaniline		1700	U
534-52-1	4,6-Dinitro-2-methylphenol		1700	υR
86-30-6	N-nitrosodiphenylamine		700	U .
	4-Bromophenyl phenyl ether		700	U
1118-74-1	Hexachlorobenzene		700	U
1912-24-9			700	U
	Pentachlorophenol		1700	U
	Phenanthrene		700	U
120-12-7			700	U
86-74-8			700	U
	Di-n-butyl phthalate		700	Ū
	Fluoranthene		2600	
129-00-0			7500	EJ
85-68-7	Butyl benzyl phthalate	_	700	U
91-94-1	3,3 -Dichlorobenzidine		700	U
	Benzo (a) anthracene_		1500	
218-01-9			1500	
117-81-7	Bis(2-ethylhexyl) phthalate		7200	BE J
117-84-0	Di-n-octyl phthalate		700	7 7 7 7
205-99-2	Benzo (b) fluoranthene		2800	1
207-08-9	Benzo(k) fluoranthene		850	10
50-32-8	Benzo(a)pyrene		1600	اره سيم
193-39-5	Indeno(1,2,3-cd)pyrene		2800	
53-70-3	Dibenzo (a, h) anthracene		790	2
				L

Lab Name: STL Buffalo Contract:	TP-26
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u> _
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05903
Sample wt/vol: <u>30.19</u> (g/mL) <u>G</u>	Lab File ID: V12278.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/24/2005 10/26/2005
% Moisture: 53 decanted: (Y/N) N	Date Extracted: 10/27/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/02/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.9	•
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	3900 🐧

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-26		

 Iab Name:
 STL Buffalo
 Contract:

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12278.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>

% Moisture: <u>53.3</u> decanted: (Y/N) <u>N</u> Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	7.04	550	J
2.	UNKNOWN	7.11	650	J
3.	DECAHYDRONAPHTHALENE ISOMER	7.31	1400	J
4.	UNKNOWN	7.46	660	J
5.	UNKNOWN	7.52	850	J
6.	UNKNOWN	7.72	750	J
7.	UNKNOWN	7.80	1100	J
8.	UNKNOWN	7.90	1400	J
9.	UNKNOWN HYDROCARBON	7.94	2900	J
10.	UNKNOWN HYDROCARBON	8.02	760	J
11.	UNKNOWN CYCLOHEXANE DER.	8.09	2900	J
12.	UNKNOWN HYDROCARBON	8.39	1300	J
13.	UNKNOWN HYDROCARBON	8.79	2900	J
14.	UNKNOWN	8.87	650	J
15.	UNKNOWN	9.05	550	J
16.	UNKNOWN CYCLOHEXANE DER.	9.10	930	J
17.	UNKNOWN	10.44	1100	J
18.	UNKNOWN	10.50	760	J
19.	UNKNOWN	10.74	780	J
20.	UNKNOWN	10.80	4100	J
21.	UNKNOWN	10.89	1200	J
22.	UNKNOWN	11.11	5200	J

Client No.

Lab Name: STL Buffal	<u>.o</u> (	Contract:		TP-26 DL
Lab Code: <u>RECNY</u>	lase No.;	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05903DL
Sample wt/vol:	30.19 (g/mL) (	<u>G</u>	Lab File ID:	V12291.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: <u>53</u>	decanted: (Y/I	и) <u>И</u>	Date Extracted:	10/27/2005
Concentrated Extract	Volume: <u>1000</u> (น	L)	Date Analyzed:	11/03/2005
Injection Volume:	<u>2.00</u> (പ്L)		Dilution Factor:	20.00

GPC Cleanup: (Y/N) N pH: 6.9

		CONCENTRATION UNI	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
100-52-7	Benzaldehyde		14000	υ
108-95-2			14000	Ū
111-44-4	Bis(2-chloroethyl) ether		14000	Ū
95-57-8	2-Chlorophenol		14000	บ
95-48-7	2-Methylphenol		14000	บิ
108-60-1	2,2'-Oxybis(1-Chloropropane)		14000	Ū
98-86-2	Acetophenone		14000	Ū
106-44-5	-4-Methylphenol		14000	บิ
621-64-7	-N-Nitroso-Di-n-propylamine		14000	υ
	-Hexachloroethane		14000	Ū
	-Nitrobenzene		14000	Ū
78-59-1	-Isophorone		14000	Ū
88-75-5	-2-Nitrophenol		14000	Ū
105-67-9	-2,4-Dimethylphenol		14000	Ū
111-91-1	-Bis(2-chloroethoxy) methane		14000	Ū
	-2,4-Dichlorophenol		14000	Ū
91-20-3			14000	บ
106-47-8	-4-Chloroaniline		14000	บั
87-68-3	-Hexachlorobutadiene		14000	Ū
105-60-2	-Caprolactam		14000	17
59-50-7	-4-Chloro-3-methylphenol		14000	บั
91-57-6	-2-Methylnaphthalene		14000	Ū
77-47-4	-Hexachlorocyclopentadiene		14000	lυ
88-06-2	-2,4,6-Trichlorophenol		14000	Ū
	-2,4,5-Trichlorophenol		14000	Ū
92-52-4			14000	Ü
	-2-Chloronaphthalene	<del></del> -	14000	ĺΰ
88-74-4	-2-Nitroaniline		34000	Ū
	-Dimethyl phthalate		14000	Ü
208-96-8	-Acenaphthylene		580	דמ
	-2,6-Dinitrotoluene		14000	IJ
	-3-Nitroaniline		34000	11
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Client No.

1	
TP-26 DL	
1	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G Lab File ID: V12291.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>

% Moisture: 53 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 6.9

	CONCENTRATION UN		
CAS NO. COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
83-32-9Acenaphthene		14000	U
51-28-52,4-Dinitrophenol		34000	υ
100-02-74-Nitrophenol		34000	υ
132-64-9Dibenzofuran		14000	ט
121-14-22,4-Dinitrotoluene		14000	ប
84-66-2Diethyl phthalate		14000	ប
7005-72-34-Chlorophenyl phenyl ether		14000	ប
86-73-7Fluorene		630	M
100-01-64-Nitroaniline		34000	ט
534-52-14,6-Dinitro-2-methylphenol		34000	υ
86-30-6N-nitrosodiphenylamine		14000	U
101-55-34-Bromophenyl phenyl ether		14000	ប
118-74-1Hexachlorobenzene		14000	U
1912-24-9Atrazine		14000	ט
87-86-5Pentachlorophenol		34000	ט
85-01-8Phenanthrene		1300	DJ
120-12-7Anthracene		490	M
86-74-8Carbazole		14000	ט
84-74-2Di-n-butyl phthalate		14000	υ
206-44-0Fluoranthene		3100	עם ו
129-00-0Pyrene		2800	DJ
85-68-7Butyl benzyl phthalate		14000	บ
91-94-13,31-Dichlorobenzidine		14000	U
56-55-3Benzo (a) anthracene		1100	M
218-01-9Chrysene		1400	DJ
117-81-7Bis(2-ethylhexyl) phthalate		6100	BDJ (/
117-84-0Di-n-octyl phthalate		14000	U
205-99-2Benzo (b) fluoranthene		1600	ŭ
207-08-9Benzo(k) fluoranthene		970	DJ
50-32-8Benzo (a) pyrene	·····	1300	DJ
193-39-5Indeno (1,2,3-cd) pyrene		1100	DJ
53-70-3Dibenzo (a, h) anthracene	***************************************	14000	υ

Lab Name: STL Buffalo Contract:	TP-26 DL
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05903DL
Sample wt/vol: $30.19$ (g/mL) G	Lab File ID: <u>V12291.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/24/2005</u> <u>10/26/2005</u>
% Moisture:53 decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 20.00
GPC Cleanup: (Y/N) N pH: 6.9	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	1500 DJ

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-26	DL	

Lab Name: STL Buffalo

Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID: A5C05903DL

Sample wt/vol: 30.19 (g/mL) G

Lab File ID:

V12291.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: <u>53.3</u> decanted: (Y/N) N

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/03/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: \_\_\_\_20.00

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 9

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 5. 6.	UNKNOWN HYDROCARBON UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN TETRAMETHYLNAPHTHALENE ISOME	8.76 10.76 11.07 11.12 11.81 12.62 12.92	2900 7500 13000 3300 9800 12000 10000	J J J J J J
8. 9.	UNKNOWN PAH DER. UNKNOWN PAH DER.	17.67 17.99	9600 5100	J J

Client No.

	***
TP-28	
]	

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) <u>G</u> Lab File ID: <u>V12280.RR</u>

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture:  $\underline{41}$  decanted:  $(Y/N) \underline{Y}$  Date Extracted:  $\underline{10/27/2005}$ 

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
100-52-7 108-95-2 111-44-4 95-57-8 95-48-7 108-60-1 98-86-2 106-44-5 67-72-1 98-95-3 78-59-1 111-91-1 120-83-2 91-20-3 106-47-8 87-68-3 105-60-2 91-57-6 77-47-4 98-95-4 92-52-4 91-58-7 88-74-4	BenzaldehydePhenolBis (2-chloroethyl) ether2-Chlorophenol2-Methylphenol2,2'-Oxybis (1-Chloropropane)Acetophenone4-MethylphenolN-Nitroso-Di-n-propylamineHexachloroethaneNitrobenzeneIsophorone2-Nitrophenol2,4-DimethylphenolBis (2-chloroethoxy) methane2,4-DichlorophenolNaphthalene4-Chloroaniline	<del></del>		ממחחחתמחחתתחחתחחחחחחחחחח
208-96-8 606 <b>-</b> 20-2	-Acenaphthylene -2,6-Dinitrotoluene -3-Nitroaniline		56 550 1300	J U U

Client No.

-1			TP-28
Lab Name: STL Buffalo	Contract:		<u> </u>
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C05905
Sample wt/vol:30.42 (g/ml	L) <u>G</u>	Lab File ID:	<u>V12280.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 41 decanted:	(Y/N) <u>Y</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000	<u>)</u> (uL)	Date Analyzed:	11/02/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.2}$ 

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>UG/KG</u>	Q
83-32-9	Acenaphthene		64	J
51-28-5	2,4-Dinitrophenol		1300	U
	4-Nitrophenol		1300	ט
1	Dibenzofuran		68	J
	2,4-Dinitrotoluene_		550	U
	Diethyl phthalate		550	U
	4-Chlorophenyl phenyl ether		550	U
86-73-7			120	J
j.	4-Nitroaniline		1300	U
	4,6-Dinitro-2-methylphenol_		1300	ប្រិ
	N-nitrosodiphenylamine		81	J
101-55-3	4-Bromophenyl phenyl ether_		550	ប
	Hexachlorobenzene		550	ប
1912-24-9			550	U
	Pentachlorophenol		1300	U
	Phenanthrene		630	
120-12-7	· · · · · · · · · · · · · · · · · · ·		140	J
86-74-8			48	J
84-74-2	Di-n-butyl phthalate		75	J
	Fluoranthene		660	
129-00-0			520	J
	Butyl benzyl phthalate		550	U
	3,3'-Dichlorobenzidine		550	ប
1	Benzo (a) anthracene		280	J
218-01-9			290	J
	Bis(2-ethylhexyl) phthalate_		4600	BE 🎵
117-84-0	Di-n-octyl phthalate		58	J
	Benzo(b)fluoranthene		380	J
	Benzo(k)fluoranthene		160	J
	Benzo (a) pyrene		260	J
193-39-5	Indeno(1,2,3-cd)pyrene		120	J
53-70-3	Dibenzo(a,h)anthracene		39	J
				1

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# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	TP-28
Lab Code: RECNY Case No.: SAS No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05905
Sample wt/vol: $30.42$ (g/mL) G	Lab File ID: <u>V12280.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: 41 decanted: (Y/N) Y	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/02/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 7.2	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	140 J

### ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-28		

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12280.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 40.7 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: \_\_\_\_2.00 (uL) Dilution Factor: \_\_\_\_1.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	10.91	380	J
2.	UNKNOWN HYDROCARBON	12.28	600	J
3. 70-55-3	4-METHYL-BENZENESULFONAMIDE	12.50	290	JN
4.	UNKNOWN	12.55	320	J
5. 544-63-8	TEIRADECANOIC ACID	12.96	780	JN
6.	UNKNOWN PAH DER.	13.84	330	J
7.	UNKNOWN	14.06	720	J
8.	UNKNOWN	14.09	890	J
	18-NORABIETANE	14.18	1000	JN
10. 100018-99-0	4B,8-DIMETHYL-2-ISOPROPYLPHE	14.29	1800	JN
11. 32624-67-2	10,18-BISNORABIETA-8,11,13-T	14.38	1400	JN
12. 6566 <b>-</b> 19-4	10,18-BISNORABIETA-5,7,9(10)	14.61	1000	JN
13. 112-79-8	9-OCTADECANOIC ACID	14.64	490	JN
14.	UNKNOWN PAH DER.	15.05	1200	J
15. 83-47-6	.GAMMASITOSTEROL	18.70	360	JN
16.	UNKNOWN	18.87	660	J.
17. 603-48-5	BENZENAMINE,4,4',4''-MEIHYLI	19.11	450	JN

Client No.

TP-	28 DL	٠

Lab Name: STL Buffalo Contract: \_\_\_\_

Lab Code: <u>RECNY</u> Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_ SDG No.: <u>C059</u>

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12292.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 41 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UP (ug/L or ug/Kg)		0
100-52-7	Benzaldehyde	(-9, 49, 149,		
108-95-2			2700	ប
			2700	U
TTT-44-4	Bis(2-chloroethyl) ether		2700	U
95-57-6	2-Chlorophenol 2-Methylphenol		2700	U
100 60 1	2-MetryIpnenoI		2700	U
100-00-1	2,2'-Oxybis(1-Chloropropane)		2700	U
30-00-2	Acetophenone		2700	U
106-44-5	4-Methylphenol		2700	U
621-64-/	N-Nitroso-Di-n-propylamine		2700	U
67-72-1	Hexachloroethane		2700	U
98-95-3	Nitrobenzene		2700	U
78-59-1	Isophorone		2700	υ.
88-75-5	2-Nitrophenol		2700	U
105-67-9	2,4-Dimethylphenol		2700	U
111-91-1	Bis(2-chloroethoxy) methane		2700	บ
120-83-2	2,4-Dichlorophenol		2700	ט
91-20-3	Naphthalene		2700	ט ו
	4-Chloroaniline		2700	U
	Hexachlorobutadiene	• • • • • • • • • • • • • • • • • • • •	· 2700	U
105-60-2	Caprolactam		2700	lu l
59-50-7	4-Chloro-3-methylphenol		2700	Ū
91-57-6	2-Methylnaphthalene		210	ا تما
77-47-4	Hexachlorocyclopentadiene		2700 .	ีบ
88-06-2	2,4,6-Trichlorophenol		2700	U
95-95-4	2,4,5-Trichlorophenol		2700	ן ט
92-52-4	Biphenvl		2700	lu l
	2-Chloronaphthalene		2700	TI I
88-74-4	2-Nitroaniline		6600	U
	Dimethyl phthalate		2700	ט
208-96-8	-Acenaphthylene		2700	1 1
606-20-2	-2,6-Dinitrotoluene		2700	U
99-09-2	-3-Nitroaniline	* ch*Harland*	2700 6600	U II
<u> </u>			0000	10

Client No.

TP-28 DL	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12292.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 41 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

		CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
83-32-9	Acenaphthene		2700	บ
	2,4-Dinitrophenol		6600	U
100-02-7			6600	U
132-64-9			2700	U
	2,4-Dinitrotoluene	_	2700	ับ
84-66-2	Diethyl phthalate		2700.	U
7005-72-3	4-Chlorophenyl phenyl ether		2700	U
86-73-7	Fluorene		110	DJ
100-01-6			6600	U
534-52-1	4,6-Dinitro-2-methylphenol		6600	ប
86-30-61	N-nitrosodiphenylamine		2700	U
101-55-3	4-Bromophenyl phenyl ether		2700	U
	Hexachlorobenzene		2700	U
1912-24-97		_	2700	υ
	Pentachlorophenol		6600	U
85-01-8			610	DJ
120-12-7			120	M
86-74-8(			2700	Ū.
	Di-n-butyl phthalate		2700	U
206-44-0I			690	DJ
129-00-01	Pyrene		520	M
85-68 <b>-</b> 7 <b></b>	Butyl benzyl phthalate		2700	U
91-94-1 <b>-</b> 3	3,3'-Dichlorobenzidine		2700	ש
56-55-3E	Penzo (a) anthracene		260	נמ
218-01-9(	Thrysene		270	DJ
117-81-7E	Bis(2-ethylhexyl) phthalate		5300	BD
117-84-0I	Di-n-octyl phthalate		2700	U
205-99-2E	Renzo (b) fluoranthene		320	M
207-08-9E	Benzo(k) fluoranthene		2700	U
50-32-8E		· · · · · · · · · · · · · · · · · · ·	260	M
193-39-5I	indeno (1,2,3-cd) pyrene		180	M
53-70-3E	Dibenzo (a,h) anthracene		2700	Ū

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### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	TP-28 DL
Lab Code: RECNY Case No.: SAS No.: _	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05905DL
Sample wt/vol: 30.42 (g/mL) G	Lab File ID: <u>V12292.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: $41$ decanted: $(Y/N)$ $Y$	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:5.00
GPC Cleanup: (Y/N) N pH: 7.2	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene_	240 DJ

### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

1			
	TP-28	DL	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05905DL

Sample wt/vol: 30.42 (g/mL) G Lab File ID: V12292.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 40.7 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 100028-99-0 4. 100018-99-0 5. 32624-67-2 6. 6566-19-4 7. 8. 53584-60-4 9. 83-47-6 10. 6538-02-9 11. 471-68-1 12. 603-48-5	UNKNOWN  18-NORABIETANE  4B,8-DIMETHYL-2-ISOPROPYLPHE  10,18-BISNORABIETA-8,11,13-T  10,18-BISNORABIETA-5,7,9(10)  UNKNOWN PAH DER.  28-NOR-17.ALPHA. (H)-HOPANE  .GAMMA.SITOSTEROL  ERCOSTANOL  OLEAN-12-ENE  BENZAMINE,4,4',4''-METHYLIDY	14.04 14.06 14.16 14.27 14.35 14.57 15.01 17.67 18.64 18.72 18.81 19.05	780 760 1100 1500 1500 3000 3800 1900 950 720 1200	L NC NC NC NC NC NC NC

Client No.

Lab Name: SIL Buffal	o Contract:	<u> </u>	TP-30
Lab Code: RECNY C	dase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C05907</u>
Sample wt/vol:	<u>30.62</u> (g/mL) <u>G</u>	Lab File ID:	<u>V12282.RR</u>
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 8	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{8.3}$ 

		CONCENIRATION (	INITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde		350	ט
108-95-2			350	Ū
111-44-4	Bis(2-chloroethyl) ether		350	Ū
95-57-8	2-Chlorophenol		350	บ
95-48-7	2-Methylphenol		350	U
	2,2'-Oxybis(1-Chloropropane)		350	Ū
98-86-2	Acetophenone		350	U
106-44-5	4-Methylphenol		32	J
621-64-7	N-Nitroso-Di-n-propylamine		350	บ
67-72-1	Hexachloroethane		350	ט
	Nitrobenzene		350	U
78-59-1	Isophorone		350	Ū
	2-Nitrophenol		350	Ū
105-67-9	2,4-Dimethylphenol		350	บ
111-91-1	Bis (2-chloroethoxy) methane		350	U
	2,4-Dichlorophenol		350	Ü
	Naphthalene		51	Ĵ
106-47-8	4-Chloroaniline		350	U
87-68-3	Hexachlorobutadiene		350	ט
	Caprolactam	<del></del>	350	ט
59-50-7	4-Chloro-3-methylphenol		350	Ū
	2-Methylnaphthalene		73	J
	Hexachlorocyclopentadiene	· · · · · · · · · · · · · · · · · · ·	350	Ū
	2,4,6-Trichlorophenol		350	ΰ
	2,4,5-Trichlorophenol		350	บั
92-52-4	Biphenvl		350	บ็
	2-Chloronaphthalene		350	υ
	2-Nitroaniline		850	IJ
	Dimethyl phthalate		350	U
	Acenaphthylene		350	U
	2,6-Dinitrotoluene		350	IJ
	3-Nitroaniline		850 ·	Ü
<u> </u>				

Client No.

Lab Name: STL Buffal	o Contract:		TP-30 .
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05907
Sample wt/vol:	30.62 (g/mL) <u>G</u>	Lab File ID:	V12282,RR
Level: (low/med)	TOM	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>8</u>	decanted: (Y/N) N	Date Extracted:	<u>10/27/2005</u>
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/02/2005
Injection Volume:	<u>2.00</u> (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{8.3}$ 

CONCENTRATION UN	NITS:	
(ug/L or ug/Kg)	<u>UG/KG</u>	Q
	350	U
	850	U
	850	U
	350	Ū
	350	υ
	10	J
her	350	Ū
	12	J
	850	U
ol	850	υR
	350	ט ``
er	350	U
	350	บ
	350	U
	850	U
	80	J
	18	J
-	350	שו
	27	J
	110	J
	87	J
	350	ט
	350	Ü
	54	J
	58	J
ate	170	BJU
	350	U
	78	J
	26	J
	45	J
	20	J
	350	ŭ
		350 850 850 350 350 350 350 10 10 350 12 850 850 850 850 850 850 850 80 18 350 27 110 87 350 350 350 350 54 58 ate 170 350 78 26 45

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### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Tab Name (SUI D.SS-)	TP-30
Lab Name: SIL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05907
Sample wt/vol: $30.62$ (g/mL) $G$	Lab File ID: <u>V12282.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: <u>8</u> decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/02/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: 8.3	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	25 J

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-30	

Lab Name: SIL Buffalo

Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID:

A5C05907

Sample wt/vol:

<u>30.62</u> (g/mL) <u>G</u>

Lab File ID:

V12282.RR

Level: (low/med)

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: 8.0 decanted: (Y/N) N

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

LOW

Date Analyzed: <u>11/02/2005</u>

Injection Volume: \_\_\_\_2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

Number TICs found: 15

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 108-90-7	CHLOROBENZENE	4.51	350	JN
2. 7785-70-8	1RALPHAPINENE	5.75	150	JN
3. 527-84-4	METHYLMETHYLETHYLBENZENE ISO	6.89	410	JN
4. 143-07-7	DODECANOIC ACID	11.66	120	JN
5.	UNKNOWN HYDROCARBON	12.28	83	J
6.	UNKNOWN HYDROCARBON	12.64	74	J
7. 544-63-8	TEIRADECANOIC ACID	12.96	1100	JN
8. 1002-84-2	PENIADECANOIC ACID	13.46	120	JN
9.	UNKNOWN PAH DER.	13.84	84	J
10. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.60	180	JN
11. 112-80-1	OLEIC ACID	14.63	1000	JN
12. 57-11-4	OCTADECANOIC ACID	14.70	460	JN
13. 66563-30-2	BACCHOIRICUNEATIN C	15,16	220	JN
14.	UNKNOWN HYDROCARBON	15.27	180	J
15.	UNKNOWN	17.56	200	J

Client No.

Lab Name: STL Buffal	o Contract:	· 	TP-32
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	<u>A5C05906</u>
Sample wt/vol:	30.22 (g/mL) <u>G</u>	Lab File ID:	V12293.RR
Level: (low/med)	LOW	Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>19</u>	decanted: (Y/N) N	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	11/03/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	50.00

GPC Cleanup: (Y/N) N pH: 7.5

CAS NO. COMPOUND	CONCENTRATION U (ug/L or ug/Kg		Q
100-52-7Benzaldehyde		20000	U
108-95-2Phenol		20000	υ
111-44-4Bis(2-chloroethyl) eth	er	20000	ט
95-57-82-Chlorophenol		20000	U
95-48-72-Methylphenol		20000	U
108-60-12,2'-Oxybis(1-Chloropr	opane)	20000	ט
98-86-2Acetophenone	•	20000	U
106-44-54-Methylphenol		20000	ט
621-64-7N-Nitroso-Di-n-propyla	mine	20000	lυ
67-72-1Hexachloroethane		20000	U
98-95-3Nitrobenzene		20000	U
78-59-1Isophorone		20000	lυ
88-75-52-Nitrophenol		20000	Ιυ
105-67-92,4-Dimethylphenol	···	20000	שׁו
111-91-1Bis (2-chloroethoxy) me	thane	20000	lυ
120-83-22,4-Dichlorophenol		20000	Ū
91-20-3Naphthalene		20000	ָ ט
106-47-84-Chloroaniline		20000	ט
87-68-3Hexachlorobutadiene		20000	Ū
105-60-2Caprolactam		20000	Ū
59-50-74-Chloro-3-methylpheno	1	20000	บั
91-57-62-Methylnaphthalene		980	J
77-47-4Hexachlorocyclopentadie	ene ene	20000	ט
88-06-22,4,6-Trichlorophenol		20000	Ū
95-95-42,4,5-Trichlorophenol		20000	ט
92-52-4Biphenyl		20000	Ü
91-58-72-Chloronaphthalene		20000	U
88-74-42-Nitroaniline		49000	ָ ע
131-11-3Dimethyl phthalate		20000	υ
208-96-8Acenaphthylene		20000	III I
606-20-22,6-Dinitrotoluene		20000	U
99-09-23-Nitroaniline		49000	บ

Client No.

TP-32	TP-32
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Lab Name	: STL Buffalo	Contract:	

COMPOUND

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G Lab File ID: V12293.RR

Level: (low/med) LOW Date Samp/Recv: 10/25/2005 10/26/2005

CONCENTRATION UNITS:

<u>UG/KG</u>

20000

20000

20000

20000

20000

U

U

U

U

U

Q

(ug/L or ug/Kg)

% Moisture: 19 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: 2.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: \_7.5

CAS NO.

#### 83-32-9-----Acenaphthene 20000 U 51-28-5----2,4-Dinitrophenol 49000 U 100-02-7----4-Nitrophenol 49000 U 132-64-9-----Dibenzofuran 20000 U 121-14-2----2,4-Dinitrotoluene U 20000 84-66-2-----Diethyl phthalate 20000 Ħ 7005-72-3----4-Chlorophenyl phenyl ether 20000 U 86-73-7----Fluorene J 820 100-01-6----4-Nitroaniline Ū 49000 534-52-1----4,6-Dinitro-2-methylphenol U 49000 86-30-6----N-nitrosodiphenylamine U 20000 101-55-3----4-Bromophenyl phenyl ether U 20000 118-74-1-----Hexachlorobenzene 20000 U 1912-24-9----Atrazine U 20000 87-86-5-----Pentachlorophenol 49000 U 85-01-8-----Phenanthrene 2300 J 120-12-7----Anthracene J 620 86-74-8-----Carbazole 700 J 84-74-2----Di-n-butyl phthalate J 710 206-44-0----Fluoranthene J 1100 129-00-0----Pyrene J 1200 85-68-7-----Butyl benzyl phthalate 20000 U 91-94-1----3,3'-Dichlorobenzidine 20000 U 56-55-3-----Benzo (a) anthracene U 20000 218-01-9-----Chrysene 20000 U 117-81-7----Bis(2-ethylhexyl) phthalate BJÜ 3500 117-84-0-----Di-n-octyl phthalate 20000 U

205-99-2----Benzo (b) fluoranthene

207-08-9-----Benzo(k) fluoranthene

193-39-5----Indeno (1, 2, 3-cd) pyrene

53-70-3-----Dibenzo(a,h)anthracene

50-32-8-----Benzo (a) pyrene

Inh Name. CIT Duffalo. Combinet	TP-32
Lab Name: SIL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>A5C05906</u>
Sample wt/vol: $30.22$ (g/mL) G	Lab File ID: <u>V12293.RR</u>
Level: (low/med) LOW	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: 19 decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/03/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 50.00
GPC Cleanup: (Y/N) N pH: 7.5	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	20000 U

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### ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-32	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05906

Sample wt/vol: 30.22 (g/mL) G Lab File ID: V12293.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 18.9 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/03/2005

Injection Volume: \_\_\_\_\_2.00 (uL) Dilution Factor: \_\_\_\_50.00

GPC Cleanup: (Y/N) N pH: 7.5

CONCENTRATION UNITS:

Number TICs found: 8 (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 80655-44-3 3. 4. 5. 6. 7.	UNKNOWN DECAHYDRO-4,4,8,9,10-PENTAME UNKNOWN UNKNOWN HYDROCARBON UNKNOWN HYDROCARBON TETRAMETHYLNAPHTALENE ISOMER UNKNOWN PAH DER. UNKNOWN PAH DER.	10.76 11.07 11.80 11.95 12.26 12.92 17.66 17.99	6200 8200 7000 5400 7100 9400 6000 4700	J JN J J J J J

Lab Name: STL Buffalo	Contract:		TP-34
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C05908
Sample wt/vol: $\underline{30.46}$ (g/mL)	<u>G</u>	Lab File ID:	V12283.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: <u>21</u> decanted: (Y/	'N) <u>Y</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 1000 (u	iL)	Date Analyzed:	11/02/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.1	•		

	<del>-</del>			
<b>67.</b> 6		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q
100-52-7	Benzaldehyde		410	U
108-95-2			490	
111-44-4	Bis(2-chloroethyl) ether		410	U
95-57-8	2-Chlorophenol		410	U
95-48-7	2-Methylphenol		380	J
108-60-1	2,2'-Oxybis(1-Chloropropane		410	ט
98-86-2	Acetophenone		410	U
106-44-5	4-Methylphenol		300	J
621-64-7	N-Nitroso-Di-n-propylamine.		410	U
	Hexachloroethane		410	U
	Nitrobenzene	<del></del>	410	ט
78~59-1	Isophorone		410	υ
	2-Nitrophenol		410	U
	2,4-Dimethylphenol		470	
	Bis(2-chloroethoxy) methane		410	U
	2,4-Dichlorophenol		410	ט
91-20-3	Naphthalene		700	
	4-Chloroaniline		410	ט
	Hexachlorobutadiene		410	ט
105-60-2	Caprolactam		410	U
59-50-7	4-Chloro-3-methylphenol		410	ប
	2-Methylnaphthalene		740	
77-47-4	Hexachlorocyclopentadiene		410	U
88-06-2	2,4,6-Trichlorophenol		410	ט
95-95-4	2,4,5-Trichlorophenol		410	ט
92-52-4	Biphenyl		170	J
91-58-7	2-Chloronaphthalene		410	ן ט
	2-Nitroaniline		1000	U
131-11-3	Dimethyl phthalate		410	U
208-96-8	Acenaphthylene		410	Ū
606-20-2	2,6-Dinitrotoluene		410	ט
99-09-2	3-Nitroaniline		1000	U
			<del>-</del>	

Dilution Factor: \_\_\_\_1.00

#### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	o (	Contract:		TP-34
Lab Code: <u>RECNY</u> C	_	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05908
Sample wt/vol:	_30.46 (g/mL) G	3_	Lab File ID:	V12283.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 21	decanted: (Y/N	1) <del>X</del>	Date Extracted:	10/27/2005
Concentrated Extract	Volume: 1000 (ul	٦)	Date Analyzed:	11/02/2005

GPC Cleanup: (Y/N) N pH: 7.1

Injection Volume: 2.00 (uL)

		CONCENIRATION (		
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>UG/KG</u>	Q
83-32-9	Acenaphthene		170	J
	2,4-Dinitrophenol	· · · · · · · · · · · · · · · · · · ·	1000	U
100-02-7	4-Nitrophenol		1000	U
132-64-9	Dibenzofuran		140	J
121-14-2	-2,4-Dinitrotoluene	•	410	บ
	Diethyl phthalate		410	ប
7005-72-3	4-Chlorophenyl phenyl ether		410	บ
86-73-7			130	J
100-01-6	-4-Nitroaniline		1000	U_
534-52-1	-4,6-Dinitro-2-methylphenol		1000	UR
86-30-6	-N-nitrosodiphenylamine		410	ט
	-4-Bromophenyl phenyl ether		410	ט
118-74-1	-Hexachlorobenzene		410	U
1912-24-9	Atrazine		410	ט
87-86-5	-Pentachlorophenol		1000	U
85-01-8	-Phenanthrene		410	U
120-12-7	-Anthracene		410	ט
86-74-8	-Carbazole		410	U
84-74-2	-Di-n-butyl phthalate		410	U
	-Fluoranthene		410	U
129-00-0	-Pyrene		410	U
	-Butyl benzyl phthalate		410	Ū
	-3,3'-Dichlorobenzidine		410	U
56-55-3	-Benzo (a) anthracene		410	Ū
218-01-9			410	Ū
	-Bis(2-ethylhexyl) phthalate		770	В
	-Di-n-octyl phthalate		120	J
205-99-2	-Benzo (b) fluoranthene		610	]
207-08-9	-Benzo (k) fluoranthene		660	
50-32-8	-Benzo (a) pyrene		190	J
193-39-5	-Indeno (1,2,3-cd) pyrene		110	J
53-70-3	-Dibenzo (a, h) anthracene		29	J

#### 176/3459

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lob Nome COT Deffeels Contact	TP-34
Lab Name: STL Buffalo Contract:	Construction and the second se
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05908
Sample wt/vol: $30.46$ (g/mL) G	Lab File ID: <u>V12283.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
% Moisture: $\underline{21}$ decanted: $(Y/N)$ $\underline{Y}$	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/02/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 7.1	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	140 J

### ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-34		

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: SAS No.: SDG No.: C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05908

Sample wt/vol: 30.46 (g/mL) G Lab File ID: V12283.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 21.3 decanted: (Y/N) Y Date Extracted: 10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

Number TICs found:  $\underline{23}$  (ug/L or ug/Kg)  $\underline{\text{UG/KG}}$ 

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ETHYLMETHYLBENZENE ISOMER	6.10	220	J
2.	TRIMETHYLBENZENE ISOMER	6.20	290	IJ
3.	TRIMETHYLBENZENE ISOMER	6.52	420	J
4.	UNKNOWN	7.24	500	J
5.	UNKNOWN	7.72	210	J
6.	DIMETHYLPHENOL ISOMER	7.78	280	J
7.	UNKNOWN	7.94	420	J
8.	UNKNOWN	8.27	310	J
9.	UNKNOWN	8.32	370	J
10.	UNKNOWN	8.39	300	J
11.	UNKNOWN PHENOL DER.	8.93	210	J
12.	UNKNOWN HYDROCARBON	9.33	440	J
13. 90-12-0	1-METHYLNAPHTHALENE	9.83	660	JN
14.	UNKNOWN	10.09	250	J
15.	UNKNOWN	10.50	280	J
16.	DIMETHYLNAPHTHALENE ISOMER	10.62	250	J
17.	DIMETHYLNAPHTHALENE ISOMER	10.73	760	J
18.	UNKNOWN	10.80	2500	J
19.	UNKNOWN	10.88	680	J
20.	UNKNOWN	11.03	990	J
21. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	3000	JN
22.	UNKNOWN	11.16	730	J
23.	UNKNOWN	11.84	640	J

Client No.

TP-35	•	<del></del>

Lab Name: STL Buffalo Contract:

 Lab Code:
 RECNY
 Case No.:
 SAS No.:
 SDG No.:
 C059

Matrix: (soil/water) SOIL Lab Sample ID: A5C05909

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/27/2005

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

<b></b>		CONCENTRATION UN		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
100-52-7			4200	บ
108-95-2			440	J
111-44-4	Bis(2-chloroethyl) ether		4200	U
95-57-8	2-Chlorophenol		4200	U
95-48-7	2-Methylphenol		1100	J
108-60-1	2,2'-Oxybis(1-Chloropropane)		4200	U
98-86-2	Acetophenone		4200	υ
106-44-5			940	J
621-64-7	N-Nitroso-Di-n-propylamine		4200	U
	Hexachloroethane		4200	U
98-95-3			4200	U
78-59-1			4200	ប
88-75-5			4200	U
105-67-9	2,4-Dimethylphenol		1000	J
111-91-1	Bis(2-chloroethoxy) methane		4200	U .
	2,4-Dichlorophenol		4200	ט
91-20-31			1100	J
	4-Chloroaniline		4200	U
t .	Hexachlorobutadiene		4200	ប
105-60-2(	Caprolactam		4200	U
59-50-7	4-Chloro-3-methylphenol_		4200	U
91 <b>-</b> 57-62	2-Methylnaphthalene		1400	J
77-47 <b>-</b> 4I	Hexachlorocyclopentadiene_		4200	ט :
88-06-22	2,4,6-Trichlorophenol		4200	U
95-95 <b>-</b> 42	2,4,5-Trichlorophenol		4200	U .
92-52-4F			4200	U
	2-Chloronaphthalene		4200	ט
88-74-42			10000	U
131-11-3I	Dimethyl phthalate		4200	U
208-96-87			4200	U
	2,6-Dinitrotoluene		4200	U
99-09-23	3-Nitroaniline		10000	ū

Lab Name: STL Buffalo	Contract:		TP-35
Lab Code: RECNY Case No.:			
Matrix: (soil/water) SOIL	<del></del>	Lab Sample ID:	<u>A5C05909</u>
Sample wt/vol:30.64 (g/mL)	<u>G</u>	Lab File ID:	<u>V12284.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/25/2005 10/26/2005
% Moisture: 23 decanted: (Y/	,и) <u>й</u>	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (u	ъъ)	Date Analyzed:	11/02/2005
Injection Volume: 2.00(uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH; 8.8			

83-32-9Acenaphthene       540       J         51-28-52,4-Dinitrophenol       10000       U         100-02-74-Nitrophenol       10000       U         132-64-9Dibenzofuran       400       J         121-14-22,4-Dinitrotoluene       4200       U         84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5	CONCENTRATION UNITS:
51-28-52,4-Dinitrophenol       10000       U         100-02-74-Nitrophenol       10000       U         132-64-9Dibenzofuran       400       J         121-14-22,4-Dinitrotoluene       4200       U         84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	(ug/L or ug/Kg) <u>UG/KG</u> Q
51-28-52,4-Dinitrophenol       10000       U         100-02-74-Nitrophenol       10000       U         132-64-9Dibenzofuran       400       J         121-14-22,4-Dinitrotoluene       4200       U         84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	540 J
100-02-74-Nitrophenol       10000       U         132-64-9Dibenzofuran       400       J         121-14-22,4-Dinitrotoluene       4200       U         84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	10000 U
121-14-22,4-Dinitrotoluene       4200       U         84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	<del></del>
84-66-2Diethyl phthalate       4200       U         7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       U         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	400 J
7005-72-34-Chlorophenyl phenyl ether       4200       U         86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       UR         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	
86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       UR         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	4200 U
86-73-7Fluorene       1300       J         100-01-64-Nitroaniline       10000       U         534-52-14,6-Dinitro-2-methylphenol       10000       UR         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	enyl ether 4200 U
534-52-14,6-Dinitro-2-methylphenol       10000       UR         86-30-6N-nitrosodiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	-
86-30-6N-nitroscdiphenylamine       4200       U         101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	
101-55-34-Bromophenyl phenyl ether       4200       U         118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	
118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	amine 4200 U
118-74-1Hexachlorobenzene       4200       U         1912-24-9Atrazine       4200       U         87-86-5Pentachlorophenol       10000       U	nyl ether 4200 U
87-86-5Pentachlorophenol 10000 U	
*	4200 U
85-01-8Phenanthrone	10000 U
	4000 J
120-12-7Anthracene   1200   J	1200 J
86-74-8Carbazole 4200 U	4200 U
84-74-2Di-n-butyl phthalate 1300 J	ate 1300 J
206-44-0Fluoranthene 1700 J	1700 J
129-00-0Pyrene   1700   J	
85-68-7Butyl benzyl phthalate 4200 U	alate 4200 U
91-94-13,3'-Dichlorobenzidine 4200 U	idine 4200 U
56-55-3Benzo (a) anthracene 390 J	e 390 J
218-01-9Chrysene 650 J	650 J
117-81-7Bis(2-ethylhexyl) phthalate 9500 B	phthalate 9500 B
117-84-0Di-n-octyl phthalate 700 J	ate 700 J
205-99-2Benzo (b) fluoranthene 920 J	ene 920 J
207-08-9Benzo(k) fluoranthene 1000 J	ene 1000 J
50-32-8Benzo (a) pyrene 280 J	
193-39-5Indeno (1,2,3-cd) pyrene 4200 U	yrene 4200 U
53-70-3Dibenzo (a, h) anthracene 4200 U	acene 4200 U

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# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	TP-35
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A5C05909
Sample wt/vol: $30.64$ (g/mL) G	Lab File ID: <u>V12284.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/25/2005 10/26/2005
% Moisture: 23 decanted: (Y/N) N	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: <u>11/02/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: 8.8	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene	170 J

### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

- 1	
	TP-35
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Lab Name: STL Buffalo

Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Lab Sample ID: A5C05909

Matrix: (soil/water) SOIL

Lab File ID:

V12284.RR

Sample wt/vol: 30.64 (g/mL) G

Level: (low/med) LOW

Date Samp/Recv: 10/25/2005 10/26/2005

% Moisture: <u>22.7</u> decanted: (Y/N) N

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: <u>11/02/2005</u>

Injection Volume: \_\_\_\_2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.8

Number TICs found: 16

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	7.94	2300	J
2.	UNKNOWN CYCLOHEXANE DER.	8.09	3200	J
3. 90-12-0	1-METHYLNAPHTHALENE	9.83	2000	JN
4.	DIMETHYLNAPHTHALENE ISOMER	10.73	2200	J
5.	UNKNOWN	10.79	8500	J
6.	UNKNOWN	10.88	2800	J
7.	UNKNOWN	11.02	4600	J
8. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	11000	JN
9.	UNKNOWN	11.15	3200	J
10.	UNKNOWN	11.47	2400	J Ì
11.	TRIMETHYLNAPHIHALENE ISOMER	11.72	3600	J
12.	UNKNOWN	11.84	10000	J
13.	UNKNOWN HYDROCARBON	12.30	4800	J
14. 483-78-3	NAPHIHALENE, 1, 6-DIMETHYL-4-(	12.58	4600	JN
15.	TETRAMETHYLNAPHTHALENE ISOME	12.96	5900	J
16.	UNKNOWN PAH DER.	18.05	8400	J

### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

				TP-OW-2
Lab Name: STL Buffal	<u>ro</u> (	Contract:		
Lab Code: RECNY C	ase No.:	SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C05904
Sample wt/vol:	_30.17 (g/mL) (	3_	Lab File ID:	<u>V12279.RR</u>
Level: (low/med)	TOM		Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: 38	decanted: (Y/N	1)	Date Extracted:	10/27/2005
Concentrated Extract	: Volume: 1000 (ul	· )	Date Analyzed:	11/02/2005

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

		CONCENTRATION	UNITS:		
CAS NO. COMPOUNI	)	(ug/L or ug/l	Kg)	UG/KG	Q
100-52-7Benzalde	ehyde		[	<del></del> 530	υ
108-95-2Phenol				440	J
111-44-4Bis(2-ct	loroethyl) ether			530	Ü
95-57-82-Chloro				530	บ
95-48-72-Methy]	phenol			280	J
108-60-12,2'-0x		)		530	Ū
98-86-2Acetophe	enone	·	L	530	Ū
106-44-54-Methyl		•		290	J
621-64-7N-Nitros	o-Di-n-propylamine			530	Ū
67-72-1Hexachlo				530	U
98-95-3Nitrober	ızene	<u></u>		530	U
78-59-1Isophoro	ne			530	Ū
88-75-52-Nitrop			!	530	Ū
105-67-92,4-Dime				320	Ĵ
111-91-1Bis(2-ch	loroethoxy) methane			530	Ū
120-83-22,4-Dich				530	ט
91-20-3Naphthal	ene —	, , , , , , , , , , , , , , , , , , , ,		450	J
106-47-84-Chloro	aniline			530	Ū
87-68-3Hexachlo	robutad <u>iene</u>			530	Ū .
105-60-2Caprolac	tam			530	Ū
59-50-74-Chlore	-3-methylphenol		1	530	ט !
91-57-62-Methyl				<del>1</del> 30	J
77-47-4Hexachic				530	ָט l
88-06-22,4,6-Tr		······································	_	530	U
95-95-42,4,5-Tr	ichlorophenol			530	บ
92-52-4Biphenyl			_	88	J
91-58-72-Chloro	naphthalene			530	ט
88-74-42-Nitroa			-	300	י ט ו
131-11-3Dimethyl	phthalate			530	บ็
208-96-8Acenapht				260	J
606-20-22,6-Dini				530	Ü
99-09-23-Nitroa				300	Ū

# ASP 2000- MEIHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffal	o Contract:		TP-OW-2
Lab Code: <u>RECNY</u> C	lase No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C05904
Sample wt/vol:	30.17 (g/mL) <u>G</u>	Lab File ID:	<u>V12279.RR</u>
Level: (low/med)	TOM	Date Samp/Recv:	10/24/2005 10/26/2005
% Moisture: 38	decanted: (Y/N) N	Date Extracted:	10/27/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1

		CONCENTRATION UN	NTS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
83-32-9	Acenaphthene		170	J
51-28-5	2,4-Dinitrophenol		1300	ט
100-02-7			1300	ប
132-64-9	Dibenzofuran		160	J
	2,4-Dinitrotoluene		530	ש
84-66-2	Diethyl phthalate	•	530	U
7005-72-3	4-Chlorophenyl phenyl ether		530	U
86-73-71	Fluorene		460	J
100-01-6	4-Nitroaniline		1300	U
534-52-1	4,6-Dinitro-2-methylphenol		1300	υĈ
	N-nitrosodiphenylamine		530	ָׁ <u>ט</u>
101-55-3	4-Bromophenyl phenyl ether		530	U
	Hexachlorobenzene		530	lυ
1912-24-97	Atrazine		530	ט
87-86 <b>-</b> 5I	Pentachlorophenol	-	1300	lυ
85-01-8	Phenanthrene	•	1600	
120-12-7	Anthracene		380	J
86-74-8(	Carbazole		81	J
84-74-2I	Di-n-butyl phthalate		360	J
206-44-0I			1100	
129-00-0I	Pyrene		940	
85-68- <b>7</b>	Butyl benzyl phthalate	-	530	U
	3,3'-Dichlorobenzidine		530	U
	Benzo (a) anthracene		440	J
218-01-9	hrysene	·	480	J
	Bis(2-ethylhexyl) phthalate		900	В
	Di-n-octyl phthalate		180	J
205-99-2E	Benzo (b) fluoranthene		820	-
207-08-9E	Benzo (k) fluoranthene	_	860	
50-32-8E			350	J
	Indeno (1,2,3-cd) pyrene		150	J
53-70-3	Dibenzo (a, h) anthracene		48	J

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Tala Mana - 6	om buffu	٦ _	<b>a</b>			TP-OW-2		
rap Nama: 7	<u>Sir Burra</u>	<u>10</u>	Contract:	<del></del>		L		
Lab Code: <u>P</u>	RECNY	Case No.:	SAS No.:	SDG No.:	<u>C059</u>			
Matrix: (so	oil/water	) <u>SOIL</u>		Lab Sample	e ID:	A5C05904	<u> </u>	
Sample wt/v	vol:	<u>30.17</u> (g/mL)	<u>G</u>	Lab File 1	D:	V12279,RF	<u> </u>	
Level: (]	low/med)	TOM		Date Samp,	'Recv: .	10/24/200	<u> 10/26,</u>	<u>/2005</u>
% Moisture:	:38	decanted: (Y/	'N) <u>N</u>	Date Extra	acted:	10/27/200	<u>)5</u>	
Concentrate	ed Extrac	t Volume: <u>1000</u> (ı	正)	Date Analy	zed:	11/02/200	<u>)5</u>	
Injection V	Volume:	<u>2.00</u> (വL)		Dilution H	Pactor: .	1.00		
GPC Cleanup	p: (Y/N)	<u>N</u> pH: <u>7.1</u>	•					
C#	AS NO.	COMPOUND		CONCENTRATION (ug/L or ug/F		G/KG_	Q	
19	91-24-2	Benzo(qhi)pe	rylene		1	70	J	

### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-OW-2		
i		

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: C059

Matrix: (soil/water) SOIL

Lab Sample ID:

A5C05904

Sample wt/vol: 30.17 (g/mL) G

Lab File ID:

V12279.RR

Level: (low/med) LOW

Date Samp/Recv: 10/24/2005 10/26/2005

% Moisture: 37.9 decanted: (Y/N) N

Date Extracted: <u>10/27/2005</u>

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/02/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: \_\_\_\_1.00

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 21

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	6.20	480	J
2.	TRIMETHYLBENZENE ISOMER	6.52	650	J
3.	UNKNOWN	7.24	760	J
4.	EIHYLDIMEIHYLBENZENE ISOMER	7.89	420	J
5.	ETHYLDIMETHYLBENZENE ISOMER	7.93	1000	J
6.	UNKNOWN CYCLOHEXANE DER.	8.09	560	J
7. 76089-59-3	1,3-CYCLOPENTADIENE,1,2,3,4-	8.25	940	JN
8.	UNKNOWN HYDROCARBON	8.32	650	J
9.	UNKNOWN HYDROCARBON	8.39	480	J
10.	UNKNOWN PHENOL DER.	8.93	400	J
11.	UNKNOWN HYDROCARBON	9.33	420	J
12. 90-12-0	1-METHYLNAPHTHALENE	9.82	550	JN
13.	DIMETHYLNAPHTHALENE ISOMER	10.73	680	J
14.	UNKNOWN	10.80	2100	J
15.	UNKNOWN	10.88	720	J
16. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.10	3000	ЛV
17.	UNKNOWN	11.16	920	J
18.	UNKNOWN	11.48	730	J
19.	UNKNOWN	11.74	2000	J
20.	UNKNOWN	11.85	2000	J
21.	UNKNOWN PAH DER.	18.09	1100	J

### 186/3459

Lab Name: STL Buffalo Contract:		SED-10
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05911
Sample wt/vol: $30.62$ (g/mL) G	Lab File ID:	14A22125.TX0
% Moisture: 67 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup:	(Y/N) <u>N</u>
	TRATION UNITS: or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	240 240 240 240 240 240 240 320	บ บ บ บ บ

## 187/3459

Lab Name: STL Buffalo	Contract:		SED-11
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: CO59	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	<u>A5C05912</u>
Sample wt/vol: 30.06 (g/m	L) <u>G</u>	Lab File ID:	14A22126.TX0
% Moisture: 61 decanted:	(A/N) Ā	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh)	): <u>SOV</u> C	Date Extracted:	10/27/2005
Concentrated Extract Volume: <u>100</u>	000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00(uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH:_		Sulfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND		JION UNITS: rug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260		200 200 200 200 200 200 200 510	บ บ บ บ บ
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### 188/3459

Lab Name: SIL Buffalo Contract:	SED-12
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05913
Sample wt/vol: $30.80$ (g/mL) G	Lab File ID: <u>14A22127.TX0</u>
% Moisture: 77 decanted: $(Y/N)$ Y	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u>
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: <u>10/28/2005</u>
Injection Volume: 1.00 (uL)	Dilution Factor: 5.00
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup: (Y/N) N
	CENTRATION UNITS: g/L or ug/kg) <u>UG/kG</u> Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	1700 U U 1700 U U 1700 U U 1700 U U 1700 U U 1700 U U 1700 U 2800 U 1700 U U

## 189/3459

Lab Name: STL Buffalo Contrac	et:	SED-13
Lab Code: RECNY Case No.: SAS No.:		• •
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05914
Sample wt/vol:30.49 (g/mL) <u>G</u>	Lab File ID:	14A22128.TX0
% Moisture: 58 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	190 190 190 190 190 490 420 240	U U U

### 190/3459

Lab Name: STL Buffalo Contrac	et:	SED-14
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C05915
Sample wt/vol: $30.12$ (g/mL) $\underline{G}$	Lab File ID:	14A22129.TX0
% Moisture: 57 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	4.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	730 730 730 730 730 1100 480 730	U R U R U R U T U T U R

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Lab Name: STL Buffalo Contract:		SED-15
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	·
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C05916
Sample wt/vol: 30.89 (g/mL) G	Lab File ID:	14A22130.TX0
% Moisture: 80 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	50.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup:	(Y/N) <u>N</u>
	ENIRATION UNITS: /L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	19000 19000 19000 19000 66000 19000 19000	บ บ บ บ

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Lab Name: STL Buffalo Contract: _		SED-16
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05917
Sample wt/vol: $30.42$ (g/mL) G	Lab File ID:	14A22131.TX0
% Moisture: 83 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	50.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup:	(Y/N) <u>N</u>
CO C 170	CENIRATION UNITS: g/L or ug/kg) <u>UG/kG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	23000 23000 23000 23000 23000 84000 17000 23000	บ บ บ บ
		1 1

## 193/3459

Lab Name: STL Buffalo Contrac	ct:	·
Lab Code: RECNY Case No.: SAS No.	: SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05918	
Sample wt/vol: $30.25$ (g/mL) $\underline{G}$	Lab File ID: <u>14A22132.TX0</u>	
% Moisture: 85 decanted: (Y/N) N	Date Samp/Recv: <u>10/25/2005</u> <u>10/2</u>	6/2005
Extraction: (SepF/Cont/Sonc/Soxh): <u>SONC</u>	Date Extracted: <u>10/27/2005</u>	
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: <u>10/28/2005</u>	
Injection Volume: 1.00 (uL)	Dilution Factor:10.00	
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup: (Y/N) N	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	5300 U 5300 U 5300 U 5300 U 13000 4900 J 5300 U	

### 194/3459

Iab Name: STL Buffalo Contra	ct:	SED-18
Lab Code: RECNY Case No.: SAS No.	: SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	<u>A5C05919</u>
Sample wt/vol: $30.09$ (g/mL) $\underline{G}$	Lab File ID:	
% Moisture: 76 decanted: (Y/N) Y	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume:1,00(uL)	Dilution Factor:	4.00
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup:	(Y/N) <u>N</u>
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	1300 1300 1300 1300 2800 1500 1300	0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7

### 195/3459

Lab Name: STL Buffalo Contract:		SED-19
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C05922
Sample wt/vol:30.67 (g/mL) G	Lab File ID:	14A22137.TX0
% Moisture: 53 decanted: (Y/N) N	Date Samp/Recv:	10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted:	10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed:	10/28/2005
Injection Volume: 1.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH:_	Sulfur Cleanup:	(Y/N) <u>N</u>
CD CL 170	MIRATION UNITS: /L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	170 170 170 170 170 300 210 180	U U U U

### 196/3459

Lab Name: STL Buffalo Contra	ct:
Lab Code: REKONY Case No.: SAS No.	: SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05922MS
Sample wt/vol: $30.73$ (g/mL) $G$	Lab File ID: <u>14A22138.TX0</u>
% Moisture: 53 decanted: (Y/N) N	Date Samp/Recv: 10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted: 10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 10/28/2005
Injection Volume:1.00(uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup: (Y/N) N
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	430 160 U 160 U 160 U 550 310 440

### 197/3459

Lab Name: STL Buffalo Contrac	t:
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: <u>A5C05922SD</u>
Sample wt/vol: $30.67$ (g/mL) G	Lab File ID: <u>14A22139.TX0</u>
% Moisture: 53 decanted: (Y/N) N	Date Samp/Recv: 10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted: <u>10/27/2005</u>
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: <u>10/28/2005</u>
Injection Volume: 1.00 (uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup: (Y/N) N
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	270 170 U 170 U 170 U 170 U 330 180 240

### 198/3459

Lab Name: STL Buffalo Contrac	st:
Lab Code: RECNY Case No.: SAS No.	SDG No.: <u>C059</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C05920
Sample wt/vol: $30.76$ (g/mL) G	Lab File ID: 14A22136.TX0
% Moisture: 57 decanted: (Y/N) N	Date Samp/Recv: 10/25/2005 10/26/2005
Extraction: (SepF/Cont/Sonc/Soxh): SONC	Date Extracted: 10/27/2005
Concentrated Extract Volume: 10000 (uL)	Date Analyzed: 10/28/2005
Injection Volume:1.00(uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: _	Sulfur Cleanup: (Y/N) N
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
12674-11-2Aroclor 1016 11104-28-2Aroclor 1221 11141-16-5Aroclor 1232 53469-21-9Aroclor 1242 12672-29-6Aroclor 1248 11097-69-1Aroclor 1254 11096-82-5Aroclor 1260	180 U U U U U U U U U U U U U U U U U U U

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### INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.		
Ţ	SED-10			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562819

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 33

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7429-90-5	Aluminum	7930		13	P
7440-36-0	Antimony	5.1	В	иД	P
7440-38-2	Arsenic	12.8		* J	P
7440-39-3	Barium	251		1 2	P
7440-41-7	Beryllium	0.50	B	13	P
7440-43-9	Cadmium	53.7	1	1* 3	P
7440-70-2	Calcium	95600		* 3	P
7440-47-3	Chromium	82.8		N* 7	P
7440-48-4	Cobalt	18.4		1 5	P
7440-50-8	Copper	238		Т *и	P
7439-89-6	Iron	34700		* J	P
7439-92-1	Lead	249		* J	P
7439-95-4	Magnesium	16000		* ]	P
7439-96-5	Manganese	1360	T	N* 3	P
7440-02-0	Nickel	33.5	1	+ = 7	P
7440-09-7	Potassium	1340	]	1.3	P
7782-49-2	Selenium	1.7	В	ープ	P
7440-22-4	Silver	0.58	B	5	Р
7439-97-6	Mercury	0.292		[х* Д	cv
7440-23-5	Sodium	374	В	7.	P
7440-28-0	Thallium	1.4	טן	* .5	P
7440-62-2	Vanadium	26.8		2	P
7440-66-6	Zinc	2050	1	N* 3	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					

### - INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
SED-11		

Con	tra	c+	
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CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO .:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562820

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 39

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7429-90-5	Aluminum	12600	$\dagger$	-5	P
7440-36-0	Antimony	3.3	ļΒ	и "	P
7440-38-2	Arsenic	10.5	1	* J	P
7440-39-3	Barium	341	T	13	P
7440-41-7	Beryllium	0.69	В	3	P
7440-43-9	Cadmium	20.4		* 5	P
7440-70-2	Calcium	99200		* J	₽
7440-47-3	Chromium	71.7	Ī	N*I	P
7440-48-4	Cobalt	7.4	B	1 3	P
7440-50-8	Copper	231	T	N* J	P
7439-89-6	Iron	37400	]	* J	P
7439-92-1	Lead	301	1	* <sup>5</sup>	P
7439-95-4	Magnesium	18500	I	* J	P
7439-96-5	Manganese	495		Г*и	Р
7440-02-0	Nickel	36.2	]	* J	P
7440-09-7	Potassium	1810	1	_)	P
7782-49-2	Selenium	1.9	В	13	P
7440-22-4	Silver	0.75	В	(2)	P
7439-97-6	Mercury	0.321		N* J	cv
7440-23-5	Sodium	639	В	7,	P
7440-28-0	Thallium	1.3	U	* 3	P
7440-62-2	Vanadium	39.3		2	P
7440-66-6	Zinc	1170	Ī	N* T	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:	_				
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### INORGANIC ANALYSIS DATA SHEET

Sample	NO.		
SED-12			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562821

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 23

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	м
7429-90-5	Aluminum	12400	1	13	P
7440-36-0	Antimony	4.5	[B	]N J	P
7440-38-2	Arsenic	20.3		1* 7	P
7440-39-3	Barium	333		2	P
7440-41-7	Beryllium	0.73	В	5	P
7440-43-9	Cadmium	82.6	]	1* 3	P
7440-70-2	Calcium	62500		1 3	P
7440-47-3	Chromium	127	T	N*	P
7440-48-4	Cobalt	7.0	B	5	P
7440-50-8	Copper	253		[ *N	P
7439-89-6	Iron	40600	]	* \]	P
7439-92-1	Lead	204		* 3	P
7439-95-4	Magnesium	8430		* 7	P
7439-96-5	Manganese	375	1	[ *N	P
7440-02-0	Nickel	48.7	Τ	* 7	P
7440-09-7	Potassium	1740	B	1 )	P
7782-49-2	Selenium	2.7	В	1 2	P
7440-22-4	Silver	0.86	В	1 2	P
7439-97-6	Mercury	0.452		Т *и	CV
7440-23-5	Sodium	1030	В	7	P
7440-28-0	Thallium	2.1	שן	* J	P
7440-62-2	Vanadium	36.6		13	P
7440-66-6	Zinc	2360		С *и	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
<u> </u>		•			

### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.

Contract:	CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

SED-13

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562822

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 42

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	м
7429-90-5	Aluminum	9530		13	P
7440-36-0	Antimony	1.4	В	N 3	P
7440-38-2	Arsenic	8.9		1 * "	P
7440-39-3	Barium	199		17	P
7440-41-7	Beryllium	0.52	B	1 3	P
7440-43-9	Cadmium	40.0		* 2	P
7440-70-2	Calcium	64300	Ţ	* J	P
7440-47-3	Chromium	86.2	1	N* 5	P
7440-48-4	Cobalt	10.0	B	1 3	P
7440-50-8	Copper	126		N* 7	P
7439-89-6	Iron	29900		* J	P
7439-92-1	Lead	169		* 7	P
7439-95-4	Magnesium	14600	1	1* 5	P
7439-96-5	Manganese	988		[N*]	P
7440-02-0	Nickel	38.4		*J	P
7440-09-7	Potassium	1710	1	1 ,	P
7782-49-2	Selenium	1.6	В	1 ,2	Ъ
7440-22-4	Silver	1.2	B	1 3	P
7439-97-6	Mercury	0.265		и* Д	CV
7440-23-5	Sodium	490	B	7	P
7440-28-0	Thallium	1,3	שן	* ~)	P
7440-62-2	Vanadium	28.2	l	1.3	P
7440-66-6	Zinc	952		N* J	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AEPTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
SED-14	-

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562823

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7429-90-5	Aluminum	8590		3	P
7440-36-0	Antimony	1.5	В	и Д	P
7440-38-2	Arsenic	7.5		* 5	P
7440-39-3	Barium	156	1	7	P
7440-41-7	Beryllium	0.46	В	1 2	P
7440-43-9	Cadmium	17.5	Π	* \( \tau \)	· P _
7440-70-2	Calcium	63200		* 5	P
7440-47-3	Chromium	78.3		N* 7	P
7440-48-4	Cobalt	6.0	B	1 2	P
7440-50-8	Copper	111		И* 7	P
7439-89-6	Iron	23000		* 3	P
7439-92-1	Lead	110		* 7	P
7439-95-4	Magnesium	15100		* 7	₽
7439-96-5	Manganese	299		N* 3	P
7440-02-0	Nickel	31.8		* J	P
7440-09-7	Potassium	1730		75_	P
7782-49-2	Selenium	1.1	B	2	P
7440-22-4	Silver	1.3	В	] ]	Ъ
7439-97-6	Mercury	0.192	_	и* Д	CV
7440-23-5	Sodium	480	В	7	P
7440-28-0	Thallium	1,3	Įΰ	1* 5	P
7440-62-2	Vanadium	22.3	1	[ C	P
7440-66-6	Zinc	463	1	и* _)	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### **INORGANIC ANALYSIS DATA SHEET**

SPMPLE	NO.		
		 ***************************************	-
SED-15			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562824

2059

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 20

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	м
7429-90-5	Aluminum	14800	<del> </del>	5	P
7440-36-0	Antimony	2.3	B	N.T	P
7440-38-2	Arsenic	16.0	1	*	P
7440-39-3	Barium	548	1	1 3	P
7440-41-7	Beryllium	1.1	B	3	₽
7440-43-9	Cadmium	10.8	Į	<u> * J</u>	P
7440-70-2	Calcium	94500		* 3	P
7440-47-3	Chromium	2930	1	N* 7	P
7440~48-4	Cobalt	13.8	В	3	P
7440-50-8	Copper	1070		N* 🎝	P
7439-89-6	Iron	29100	T	1*5	P
7439-92-1	Lead	396		* J	P
7439-95-4	Magnesium	14000	Ţ	1* 3	P
7439-96-5	Manganese	508	1	N* 2	P
7440-02-0	Nickel	977	Ī	1*5	P
7440-09-7	Potassium	3490	1		P
7782-49-2	Selenium	2.7	В	) 3	P
7440-22-4	Silver	7.0		1 2	P
7439-97-6	Mercury	0,685		N* 3	CV
7440-23-5	Sodium	4920		3	P
7440-28-0	Thallium	3.0	U	* 5	Р
7440~62-2	Vanadium	39.1	1	1 2	P
7440-66-6	Zinc	926		N* J	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AEITOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:	***				
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### INORGANIC ANALYSIS DATA SHEET

SA	mple	NO.		
SED	-16			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562825

TOM

Date Received:

10/26/2005

Level (low/med): % Solids: 17

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7429-90-5	Aluminum	18700	$\top$		P
7440-36-0	Antimony	1.8	Jΰ	N 2	P
7440-38-2	Arsenic	30.5	Π	1* 5	P
7440-39-3	Barium	387	T .	1.7	P
7440-41-7	Beryllium	1.3	В	13	P
7440-43-9	Cadmium	45.6	İ	1* 3	P
7440-70-2	Calcium	28400	]	* ]	P
7440-47-3	Chromium	5440	1	L *N	P
7440-48-4	Cobalt	17.5	B	1 3	P
7440-50-8	Copper	2440	1	C*N	P
7439-89-6	Iron	44300		* "5	P
7439-92-1	Lead	375	Ī	1* 5	P
7439-95-4	Magnesium	13200	T	* 3	P
7439-96-5	Manganese	338		N* 7	P
7440-02-0	Nickel	1990		* 2	P
7440-09-7	Potassium	4040		13	P
7782-49-2	Selenium	3.7	B	1 5	P
7440-22-4	Silver	11.6		5	P
7439-97-6	Mercury	0.620		N* 7	cv
7440-23-5	Sodium	2440	B	1 22	P
7440-28-0	Thallium	3.1	U	* J	P
7440-62-2	Vanadium	50.7		1 3	P
7440-66-6	Zinc	984		N* ]	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL	
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:		
Comments:				tanka ara ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ara ta ar		
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#### INORGANIC ANALYSIS DATA SHEET

SPMPLE	NO.		
SED-17			

Contract:

CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562826

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 15

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7429-90-5	Aluminum	14900		15	P
7440-36-0	Antimony	5.6	B	[и Д	P
7440-38-2	Arsenic	24.4	Ī	* J	P
7440-39-3	Barium	213	1	J	P
7440-41-7	Beryllium	1.1	В	1 2	P
7440-43-9	Cadmium	98.7		* '5	P
7440-70-2	Calcium	41000	1	1 * 2	P
7440-47-3	Chromium	1680		N*	P
7440-48-4	Cobalt	10.7	B	1.5	P
7440-50-8	Copper	628	1	Ŭ *N	P
7439-89-6	Iron	26500		1*5	P
7439-92-1	Lead	503	1	1 3	P
7439-95-4	Magnesium	9910	I	* 5	P
7439-96-5	Manganese	764		N* 2	P
7440-02-0	Nickel	775	[	* J	P
7440-09-7	Potassium	2860	B	-	P
7782-49-2	Selenium	4.3	В	3	P
7440-22-4	Silver	3.1	В	3	P
7439-97-6	Mercury	0.437		N* 7	cv
7440-23-5	Sodium	2200	B	1 3	P
7440-28-0	Thallium	3.7	טן	* 5	P
7440-62-2	Vanadium	53.6		-1	P
7440-66-6	Zinc	2540		N*	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AEITOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:	40.000				
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### INORGANIC ANALYSIS DATA SHEET

Sample	NO.	
SED-18		-

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562827

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 24

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7429-90-5	Aluminum	9830	1	15	P
7440-36-0	Antimony	2.6	В	אן.	P
7440-38-2	Arsenic	12.1		* 5	P
7440-39-3	Barium	121		1 3	P
7440-41-7	Beryllium	1.1	В	1 3	P
7440-43-9	Cadmium	12.6		* 5	P
7440-70-2	Calcium	39400		1* 3	P
7440-47-3	Chromium	270	Ī	N* J	P
7440-48-4	Cobalt	7.4	В	<u> </u>	P
7440-50-8	Copper	354	1	Т *и	P
7439-89-6	Iron	22600	T	* J	P
7439-92-1	Lead	153		* ~	P
7439-95-4	Magnesium	4540		* 7	P
7439-96-5	Manganese	528	T	р∗2	P
7440-02-0	Nickel	203	T	1 5	P
7440-09-7	Potassium	1400	B	ΙŜ	P
7782-49-2	Selenium	3.6	B	70000	P
7440-22-4	Silver	0.81	В	2	P
7439-97-6	Mercury	0.437	Ī	T *N	cv
7440-23-5	Sodium	1090	В	1 7	P
7440-28-0	Thallium	2.2	ע	* .j	P
7440-62-2	Vanadium	32.7	1	1 3	P
7440-66-6	Zinc	588	Τ	N* 3	P

Color Before;	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					-
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### INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.		
_		,,	 ·	
	SED-19			

CONCLACE. CRU4-U12	Contract:	CN04-015
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Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562829

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7429-90-5	Aluminum	5670	+-	13	P
7440-36-0	Antimony	1.7	B	N T	P
7440-38-2	Arsenic	5.6	1	* "5"	P
7440-39-3	Barium	72.7	Ī	15	P
7440-41-7	Beryllium	0.45	В	コ	P
7440-43-9	Cadmium	3.4	1	* <u>"</u>	P
7440-70-2	Calcium	13900		* 🎵	P
7440-47-3	Chromium	28.4		C *M	P
7440-48-4	Cobalt	4.2	įΒ	3	₽
7440-50-8	Copper	260		Т*и	P
7439-89-6	Iron	18900	1	* <u>.</u> )	P
7439-92-1	Lead	68,5		* J	P
7439-95-4	Magnesium	3890	Ī	* 2	P
7439-96-5	Manganese	165		и*2	P
7440-02-0	Nickel	29.6	]	1 * 5	P
7440-09-7	Potassium	1070		J	P
7782-49-2	Selenium	0.85	В	1 5	P
7440-22-4	Silver	0.56	В	2	P
7439-97-6	Mercury	0.156		N* J	CV
7440-23-5	Sodium	297	В	17	P
7440-28-0	Thallium	1.1	U	* ]	P
7440-62-2	Vanadium	16.9		(2.5)	P
7440-66-6	Zinc	341	Γ	N* .T	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

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CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562828

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	ρ	м
7429-90-5	Aluminum	7650		15	P
7440-36-0	Antimony	2.2	B	и 🏖	P
7440-38-2	Arsenic	8.8		1 * 5	P
7440-39-3	Barium	113		1 7	P
7440-41-7	Beryllium	0.48	В	1 5	P
7440-43-9	Cadmium	10.8		[* 5	P
7440-70-2	Calcium	41200		* 5	P
7440-47-3	Chromium	85.5	T	N* 7	P
7440-48-4	Cobalt	5.9	B	1 5	P
7440-50-8	Copper	237	1	[N*]	P
7439-89-6	Iron	18100		* J	P
7439-92-1	Lead	133	1	* 7	P
7439-95-4	Magnesium	9570		* 2	P
7439-96-5	Manganese	292	1	[ *N	P
7440-02-0	Nickel	99.5		* J	P
7440-09-7	Potassium	1450	1	13	P
7782-49-2	Selenium	2.1	В	3	P
7440-22-4	Silver	0.43	В	3	P
7439-97-6	Mercury	0.248	Τ	N* 7	cv
7440-23-5	Sodium	487	В	5	P
7440-28-0	Thallium	1.3	U	* 3	P
7440-62-2	Vanadium	22.3	T_	]	P
7440-66-6	Zinc	507		N* 🕽	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					<u> </u>
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### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
TP-21		

Contract: CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562302

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	м
7440-38-2	Arsenic	31.1		5	P
7440-41-7	Beryllium	1.2		15	P
7440-43-9	Cadmium	68.0	1	122	P
7440-47-3	Chromium	1560	1	C	P
7440-50-8	Copper	90.4	T	13	P
7439-92-1	Lead	143	Π	3	P
7440-02-0	Nickel	15.6	1	E J	P
7439-97-6	Mercury	0.974	1	L *N	CV
7440-66-6	Zinc	33600	İ	5	₽

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

Sample	NO.		
TP-23			

Contract:

CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562303

C033

Level (low/med):

\_\_\_

LOW

Date Received:

10/26/2005

% Solids: 45

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	c	Q	м
7440-38-2	Arsenic	14.8	╁	1.2	P
7440-41-7	Beryllium	0,59	В	15	P
7440-43-9	Cadmium	126		13	P
7440-47-3	Chromium	25.6		5	P
7440-50-8	Copper	188	T	13	P
7439-92-1	Lead	43.6	1	1.3	P
7440-02-0	Nickel	34.3	-	EJ	P
7439-97-6	Mercury	0.850		N* 2	cv
7440-66-6	Zinc	2720	1	13.	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
TP-26	_	 	

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Con	trac	t:	(

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562304

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Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	М
7440-38-2	Arsenic	8.4	+	3	P
7440-41-7	Beryllium	0.82	В	3	P
7440-43-9	Cadmium	6.3	1	13	P
7440-47-3	Chromium	293	Ī	[ ]	P
7440-50-8	Copper	12900	J	7)	P
7439-92-1	Lead	621	1	1 5	P
7440-02-0	Nickel	204	J	EJ	P
7439-97-6	Mercury	0.492		N* _3	CV
7440-66-6	Zinc	7510	1		P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:				·	
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### INORGANIC ANALYSIS DATA SHEET

	SAMPLE	ю.	
I	TP-28		

Contract:

CN04-015

Lab Code: STL

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562306

-039

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 59

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	м
7440-38-2	Arsenic	3.6	+-	13	P
7440-41-7	Beryllium	0.34	B	Ī	P
7440-43-9	Cadmium	0.75	В	13	P
7440-47-3	Chromium	39.8	Τ	13	P
7440-50-8	Copper	43.8	Ī	13	P
7439-92-1	Lead	78.2		13	P
7440-02-0	Nickel	24.0		E J	P
7439-97-6	Mercury	0.222		N*3	cv
7440-66-6	Zinc	196	1	J	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:	·				
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### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
TP-30	· · · · · · · · · · · · · · · · · · ·		

	Contract:	CN04-015
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Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562308

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7440-38-2	Arsenic	5.8	+	3	P
7440-41-7	Beryllium	0.39	В	1	P
7440-43-9	Cadmium	0.33	B	J	P
7440-47-3	Chromium	8.9	1	13	P
7440-50-8	Copper	20.6	Ī	13	P
7439-92-1	Lead	109	Ī	15	P
7440-02-0	Nickel	19.0	Ī	E J	P
7439-97-6	Mercury	0.025	ĺ	Т *и	CV
7440-66-6	Zinc	74.1	T		P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
TP-32	_		

Contract:

CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562307

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	δ	м
7440-38-2	Arsenic	3.0	+	15	P
7440-41-7	Beryllium	0.87	1	1	P
7440-43-9	Cadmium	3.1		15	P
7440-47-3	Chromium	34.2		7	P
7440-50-8	Copper	50.3		5	P
7439-92-1	Lead	59.6	1	7	P
7440-02-0	Nickel	11.9		E 5	P
7439-97-6	Mercury	0.010	B	[] *N	CA
7440-66-6	Zinc	337	T	15	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:	110011111111111111111111111111111111111				
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<b>INORGANIC</b>	<b>ANALYSIS</b>	DATA	SHEET
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SAMPLE	NO.	
TP-34		

Contract:	CN04-01

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562309

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7440-38-2	Arsenic	1.8	<del> </del>	-	P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.38	B	5	P
7440-47-3	Chromium	18.2		17	P
7440-50-8	Copper	21.0	1	13	P
7439-92-1	Lead	17.3	T	1 3	P
7440-02-0	Nickel	9.6	1	E	P
7439-97-6	Mercury	0.011	В	Т*и	cv
7440-66-6	Zinc	78.1	1		P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:		ENDAL BACCOCCOCCOCCOCCA TANDA			
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#### Delta Environmental Consultants. Inc.

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#### INORGANIC ANALYSIS DATA SHEET

Sample	NO.	_	
TP-35	-	-	

Contract:

CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

C059

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562310

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No. Analyte C		Concentration	C	Q	М
7440-38-2	Arsenic	5.1	1	15	₽
7440-41-7	Beryllium	0,62	В		P
7440-43-9	Cadmium	1.1	I	12	₽
7440-47-3	Chromium	107	T	17	P
7440-50-8	Copper	114	1	12	P
7439-92-1	Lead	40.7	]	13	P
7440-02-0	Nickel	60.7	]	E 2	P
7439-97-6	Mercury	0.005	U	C*N	CV
7440-66-6	Zinc	316	1	13	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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#### Delta Environmental Consultants. Inc.

#### **INORGANIC ANALYSIS DATA SHEET**

SHAPLE	NO.		
			-
TP-OW-2			

Contract:	CN04-01
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Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

Matrix (soil/water):

SOIL

Lab Sample ID:

AD562305

C059

Level (low/med):

LOW

Date Received:

10/26/2005

% Solids: 62

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No. Analyte Concentration		Concentration	C	Q	м
7440-38-2	Arsenic	4.3	+	7	P
7440-41-7	Beryllium	0.82	B	Ī	P
7440-43-9	Cadmium	3.2		l J	P
7440-47-3	Chromium	74.7	J	7	P
7440-50-8	Copper	95.4	1	IJ	P
7439-92-1	Lead	26.4	1	13	P
7440-02-0	Nickel	44.8		E	P
7439-97-6	Mercury	0.051	Ī	N*3	cv
7440-66-6	Zinc	216	1	13	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:		<u>~</u>			
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Wet Chemistry Analysis

						SED-10	
Lab Name: <u>STL Buffalo</u>	Contract	:		<del></del>	L		
Lab Code: <u>RECNY</u> Case No.;	SAS No.: SDG No.: C059						
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ple	E ID:	<u>A5</u>	C05911	
% Solids: <u>0.0</u>		Date Sar	πp/	Recv:	<u>10</u>	/25/2005 <u>10</u>	0/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH_	s.ບ.	7.30				9045	10/27/2005
Comments:							

220/3459

Lab Name: STL Buffalo	Contract	ract:						
Lab Code: RECNY Case No.:	SAS No.	r 				SDG No.: CO	059	
Matrix (soil/water): SOIL		Lab Sam	ole	e ID:	<u>A5</u>	C06001		
% Solids: 0.0	Solids:							
Parameter Name	Units of Measure	Result	C	Q	м	Method Number	Analyzed Date	
Total Organic Carbon	MG/KG	89000		2		KAHN	11/02/2005	
Comments:								

Wet Chemistry Analysis

Lab Name: <u>STL Buffalo</u>	Contract					SED-11	
Lab Code: RECNY Case No.: SAS No.:					-	SDG No.: <u>CC</u>	59_
Matrix (soil/water): <u>SOIL</u>		Lab Sam	ple	D:	<u>A5</u>	C05912	
% Solids: 0.0 Date Samp/Recv: 10/25/2005 10/26/2						/26/2005	
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH	s.v.	7.00				9045	10/27/2005
Comments:							

222/3459

Contract:				SED-11	
				SDG No.: <u>CC</u>	59
	Lab Sampi	le ID:	<u>A5</u>	C06002	
	Date Samp	p/Recv:	<u>10</u>	/25/2005 <u>10</u>	/26/2005
Units of Measure	Result (	C Q	М	Method Number	Analyzed Date
MG/KG	75000	7		KAHN	11/02/2005
·	.: SAS No.:  Units of Measure	SAS No.:  Lab Samp  Date Sam  Units of Measure Result	Lab Sample ID:  Date Samp/Recv:  Units of Measure Result C Q	Contract:  SAS No.:  Lab Sample ID: A5  Date Samp/Recv: 10  Units of Measure Result C Q M	SAS No.: SDG No.: CO  Lab Sample ID: A5C06002  Date Samp/Recv: 10/25/2005 10  Units of Measure Result C Q M Number

Wet Chemistry Analysis

T-1- 17 CTT TEE-1	-	<b>~</b>				[	SED-12	A TO COMMITTE A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TOTAL AND A TO	
Lab Name: STL Buffal	Contract	:		_	_				
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	:			1	SDG No.: <u>C059</u>		
Matrix (soil/water):	SOIL		Lab Samp	ple	E ID:	<u>A5</u>	C05913		
% Solids:	0.0		Date Sar	np/	'Recv:	10	/25/2005 <u>10</u>	)/26/2005	
Para	meter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date	
Leachable pH		ຮ.ບ.	7.16				9045	10/27/2005	
Comments:				<u></u>					
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224/3459

Lab Name: STL Buffalo	Contract	•				SED-12	
Lab Code: RECNY Case No.:		:		_	(	SDG No.: <u>CO</u>	59
Matrix (soil/water): <u>SOIL</u> Lab Sample ID: <u>A5CO</u>						C06003	
% Solids: <u>0.0</u>		Date Sar	np/	'Recv:	<u>10</u>	/25/2005 <u>10</u>	/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	140000		T		KAHN	11/02/2005
Comments:							

Wet Chemistry Analysis

Lab Name: <u>STL Buffalo</u>		Contract	:			1	SED-13	
	-							· ·
Lab Code: <u>RECNY</u>	Case No.:	_ SAS No.		SDG No.: <u>C059</u>				
Matrix (soil/water): <u>sc</u>	<u>L</u> Lab Sample ID: <u>A5COS</u>					C05914		
% Solids:	0.0	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/200</u>						)/26/20 <u>05</u>
Paramet	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH		s.ʊ.	7.37		, , ,		9045	10/27/2005
Comments:							•	
						-		

226/3459

Lab Name: <u>STL Buffalo</u>	Contract:							
Lab Code: RECNY Case No.:	SAS No.	:			:	SDG No.: <u>CO</u>	59	
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ρle	e ID:	<u>A50</u>	C06004		
% Solids: 0.0 Date Samp/Recv: 10/25/2005 10/26/2005							/26/2005	
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date	
Total Organic Carbon	MG/KG	67000		7		KAHN	11/02/2005	
Comments:				•				

Wet Chemistry Analysis

Lab Name: <u>STL</u>	Buffalo	Contract	:			Ľ	20D-14	
Lab Code: <u>REC</u>	NY Case No.:	SAS No.	:			ł	SDG No.: <u>CC</u>	59
Matrix (soil/water): SOIL Lab Sample ID: A					<u>A5</u>	C05915_		
% Solids:	0.0	Date Samp/Recv: <u>10/25/2005</u> <u>10/26/200</u>						
	Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH		s.v.	7.14				9045	10/27/2005
Comments:								
					•			

228/3459

Lab Name: STL Buffalo	Contract	:	-		;	SED-14	
Lab Code: <u>RECNY</u> Case No.:		;		<del></del>	ļ	SDG No.: <u>CO</u>	59
Matrix (soil/water): <u>SOTL</u>		Lab Samp	ple	e ID:	<u>A5</u>	C06005	
% Solids: <u>0.0</u>		Date Sar	np/	'Recv:	<u>10</u>	/25/2005 10	/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	50000		J		KAHN	11/02/2005
Comments:							

229/3459

Lab Name: STL Buffalo		Contract	:			Ŀ			
Lab Code: RECNY		SAS No.			<del></del>	i	SDG No.: <u>C</u> C	)59	
Matrix (soil/water): <u>S</u>	<u>JII.</u>		Lab Samp	ol€	e ID:	A5C05916			
% Solids:	0.0		Date Sar	πp/	'Recv:	<u>10</u>	<u>/25/2005</u> <u>10</u>	1/26/2005	
Parame	ter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date	
Leachable pH		s.u.	7.10				9045	10/27/2005	
Comments:									
							· · · · · · · · · · · · · · · · · · ·	<del></del>	

230/3459

Client Sample No. SED-15 Lab Name: SIL Buffalo Contract: Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: <u>C059</u> Matrix (soil/water): SOIL Lab Sample ID: A5C06006 % Solids: 0.0 Date Samp/Recv: <u>10/25/2005</u> <u>10/26/2005</u> Units of Method Analyzed Parameter Name Measure Result M Number Q Date Total Organic Carbon MG/KG 65000 KAHN 11/02/2005 Comments:

Wet Chemistry Analysis

-						SED-16			
Lab Name: <u>STL Buffalo</u>	Contract		•	_	٠Ļ				
Lab Code: RECNY Case No.:	SAS No.	:	SDG No.: <u>C059</u>						
Matrix (soil/water): <u>SOIL</u>	OIL Lab Sample ID:					A5C05917			
% Solids: <u>0.0</u>		Date Sar	ηρ,	/Recv:	<u>10</u>	/25/2005 10	/26/2005		
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date		
Leachable pH	s.u.	7.02				9045	10/27/2005		
Comments:									

232/3459

Lab Name: STL Buffalo	Contract					SED-16		
in in inc.	CARLIACE			_				
Lab Code: RECNY Case No.:	SAS No.				SDG No.: <u>C059</u>			
Matrix (soil/water): SOIL Lab Sample ID:				<u>A50</u>	C06007			
% Solids: 0.0 Date Samp/Recv: 10/25/2005 10/26/2005							/26/2005	
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date	
Total Organic Carbon	MG/KG	150000		=		KAHN	11/02/2005	
Comments:								

Wet Chemistry Analysis

Lab Name: <u>STL B</u> uffalo	2	Contract					SED-17		
Ess role. <u>Dis Barrare</u>	2	WHICHAUL	•		<del></del>				
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	:			i	SDG No.: <u>C059</u>		
Matrix (soil/water): <u>SOIL</u> Lab Sample ID: <u>A</u>				<u>A5</u>	45C05918				
% Solids:	lids: 0.0 Date Samp/Recv:					10/25/2005 10/26/2005			
Paran	neter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date	
Leachable pH		_s.u.	6.88		-		9045	10/27/2005	
Comments:									

234/3459

Lab Name: <u>STL Buffalo</u>		Continut	:			ļ	SED-17	
ERO MARE. DILI BULLATO		Whiteact	•		_	_		
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	*			•	SDG No.: <u>C</u>	)59
Matrix (soil/water): <u>sc</u>	Ш		Lab Sam	ple	e ID:	<u>A5</u>	C06008	
% Solids:	0.0 Date Samp/Recv: 10/25/2005 10/26/20							)/26/2005
Paramet	cer Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Total Organic Carbon_		MG/KG	120000		1		KAHN	11/02/2005
Comments:								

235/3459

Lab Name: STL Buffalo	Contract:						
Lab Code: RECNY Case No.:	SAS No.	:			i	SDG No.: <u>CO</u>	59
Matrix (soil/water): SOIL		Lab Sam	pl∈	e ID:	<u>A5</u>	C05919	
% Solids: 0.0	Date Samp/Recv: 10/25/2005 10/26/2005						/26/2005
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH_	s.ບ.	7.20				9045	10/27/2005
Comments:							-

236/3459

Lab Name: SIL Buffalo	•	Contract	•		_	Ŀ	SED-18	·
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	:			i	SDG No.: CO	<u>159</u>
Matrix (soil/water): §	<u>3011.</u>		Lab Samp	ρle	e ID:	<u>A5</u>	C06009	
% Solids:	0.0		Date Sar	mp/	'Recv:	<u>10</u>	/25/2005 10	)/26/2005
Parama	eter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Organic Carbon		MG/KG	48000		7		KAHN	11/02/2005
Comments:								
			<del></del>					

237/3459

						ſ	SED-19	
Lab Name: STL Buffa	alo	Contract	:	<u>.</u>		L	2ED-13	<del>.</del>
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	:				SDG No.: <u>C</u>	)59
Matrix (soil/water)	): <u>SOIL</u>		Lab Sam	ple	E ID:	<u>A5</u>	C05922	
% Solids:	47.1		Date Sar	np/	Recv:	: 10	/25/2005 <u>1</u> 0	)/26/2005
Par	cameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH_		s.v.	7,38				9045	10/28/2005
Comments:					* .			

238/3459

Lab Name: STL Buffalo	Contract	:			1	SED-19	
Lab Code: RECNY Case No.:					į	SDG No.: <u>CO</u>	<u>59</u>
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ρle	e D:	<u>A5</u>	C06010	
% Solids:0.0		Date Sar	np/	'Recv:	<u>10</u>	/25/2005 10	/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	74000		7		KAHN	11/02/2005
Comments:							

Wet Chemistry Analysis

Tab Name CHW Duffel	G				ŝ	SED-19A	
Lab Name: STL Buffalo	Contract	t			_	-	
Lab Code: RECNY Case No.:	.cm ZAZ	;				SDG No.: <u>CO</u>	59
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ol∈	e ID:	<u>A50</u>	05920	
% Solids: <u>0.0</u>		Date Sar	np/	'Recv:	<u>10</u> ,	/25/2005 10	/26/2005
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH	s.u.	7.37				9045	10/27/2005
Comments:							

240/3459

Lab Name: STL Buffalo	Contract	· <b>:</b>		-		SED-19A	
TED MANE: PITT DOLLATO	CONCLACE	• •					
Lab Code: RECNY Case No.:	SAS No.	:				SDG No.: <u>CO</u>	59
Matrix (soil/water): SOIL		Lab Samp	ole	e ID:	<u>A5</u>	C06011	
% Solids: 0.0		Date San	ub/	'Recv:	<u>10</u>	/25/2005 <u>10</u>	<u>/26/2005</u>
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Organic Carbon	MG/KG	52000		J		KAHN	11/02/2005
Comments:			-				

241/3459

					[,	TP-21		
Lab Name: STL Buffalo	Contract	÷			L	T		
Lab Code: RECNY Case No.:	SAS No.	:		SDG No.: <u>C059</u>				
Matrix (soil/water): <u>SOIL</u>		Lab Samp	<u>A50</u>	<u>A5C05901</u>				
% Solids: <u>42.8</u>		Date Sar	np/	Recv:	<u>10</u>	/24/2005 10	/26/2005	
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date	
Leachable pH	s.u.	7.27				9045	10/27/2005	
Comments:				• • • • • • • • • • • • • • • • • • •				

242/3459

Lab Name: STL Buffalo	0	Contract	:				TP-23	
Lab Code: RECNY					<del>-</del>	;	SDG No.: <u>CO</u>	)59
Matrix (soil/water):	SOIL		Lab Sam	ole	D:	<u>A5</u>	C05902	
% Solids:	44.7		Date Sar	mp/	'Recv:	<u>10</u>	<u>/24/2005</u> <u>10</u>	/26/2005
Parar	meter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH		s.u.	7.13				9045	10/27/2005
Comments:								
		<del></del>						

243/3459

Lab Name: SIL Buffalo	Contract	:		<u>-</u> -		TP-26	
Lab Code: <u>RECNY</u> Case No.:	SAS No.	;				SDG No.: <u>CO</u>	59
Matrix (soil/water): SOIL		Lab Samp	ole	e ID:	<u>A5</u> (	C05903	
% Solids: 46.7		Date Sar	np/	'Recv:	10	/24/2005 10	/26/2005
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH	s.ບ.	6.90				9045	10/27/2005
Comments:							

244/3459

Lab Name: STL Buffalo	Contract:	·			[	TP-28	
Lab Code: RECNY Case No.:	SAS No.:			<del>-</del>	i	SDG No.: <u>CO</u>	59
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ρle	e ID:	<u>A5</u>	C05905	
% Solids: 0.0		Date San	πp/	'Recv:	<u>10</u>	/25/2005 <u>10</u>	/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH_	s.v.	7.19				9045	10/27/2005
Comments:	-						

245/3459

Lab Name: <u>STL Buffalo</u>	Contract		-		L	11 50	
Lab Code: RECNY Case No.:	SAS No.	:				SDG No.: <u>CO</u>	59
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ple	D:	<u>A5</u>	C05907	
% Solids: 0.0		Date Sar	ub/	'Recv:	<u>10</u>	/25/2005 <u>10</u>	/26/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH	s.ບ <b>.</b>	8.33		· · · · ·		9045	10/27/2005
Comments:							

246/3459

Lab Name: <u>STL Buffalo</u>	Contract	Contract:					TP-32				
	SAS No.:				,	SDG No.: <u>CO</u>	959				
Matrix (soil/water): SOIL		Lab Sam	ole	ıD:							
% Solids: 0.0		-	-			/25/2005 10	)/26/2005				
Parameter Name	Units of Measure	Result	С	. Q	М	Method Number	Analyzed Date				
Leachable pH	s.u.	7.48				9045	10/27/2005				
Comments:											

## Wet Chemistry Analysis

Lab Name: <u>STL Buffalo</u>	Contract	. <b>!</b>				TP-OW-2		
Lab Code: RECNY Case No.:		:	SDG No.: <u>C059</u>					
Matrix (soil/water): SOIL	Lab Sample ID: A5C05904							
% Solids:		Date Sar	np/	'Recv:	<u>10</u>	/24/2005 <u>10</u>	/26/2005	
· Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date	
Leachable pH	ຮ.ບ.	7.14				9045	10/27/2005	
Comments:	,							

The recovery of sample TP-21 Post Spike exhibited results above the quality control limits for Arsenic, Beryllium, Chromium, and Copper and below the quality control limits for Zinc. The recovery of sample SED-19 Post Spike exhibited results below the quality control limits for Iron and Zinc. However, the LCS's are acceptable.

The RPD of sample SED-19 and the Matrix Duplicate exceeded quality control limits for Arsenic, Cadmium, Chromium, Calcium, Iron, Lead, Magnesium, Manganese, Nickel, Mercury and Zinc. However, the LCS was acceptable.

The Serial Dilution of sample TP-21 exceeded quality control limits for Nickel. However, the LCS was acceptable.

#### Wet Chemistry Data

Total Organic Carbon was subcontracted to STL Chicago. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Total Organic Carbon may be found within the comment summary of the subcontract report.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

11/25/05

Date

Chain Of Custody Documentation

# Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0901) Client			Sev	ern Trent La	boratories, Inc.	
OBLTA ENVIRONMENTAL		Project Manager			Date	I Chair at C
104 7		Telephone Number (Area Co	5 CHLMACHUN de)/Fax Number		10-25-05	Chain of Custody Number 214153
City State Zip Code NY 132		ノイリー アプラ ・0コミ	24 / 315-445	0067	Lab Number	<del></del>
5 You de USG State Zip Code	S	Sile Contact	Lab Contact			Page of3
Project Name and Location (State)	19	SAME	BRIAN TISCHUN	. Ana	alysis (Attach list if e space is needed)	
CONFER SYNACUSU LY Contract/Purchase Order/Quote No.	° ا	Carrier/Waybill Number		0/4	16.03	<del>,                                    </del>
Contract/Purchase OrderfQuote No.			·	252	6.77 85 pull	
03100251		Matrix	Containers & Preservatives	746 826 8270 BX 7 METHS PHONOUS	4 2	Special Instructions/ Conditions of Receipt
Sample I.D. No. and Description (Containers for each sample may be combined on one line)  Date	e Tim	ne g	6 1 1 1 1 1 1 1 1	12 2 3	1600	Oonditions of Receipt
51 16 - 1		Soil Sec 34	Unpres. H2SO4 HNO3 HCI NaOH NaOH	12 2 2	22.87	
5h - 19 msn 10-25	105 945	5 X	21/2	XXXX	TW TW	
560-10	150		3			
500-11	143		<del></del>	X )	CXXX	
SED-12	140		3	x I	XXXX	
SED-13			3		XXX	
	/33	1 X	3	$\frac{c}{\lambda}$	<b>4444</b>	
560-14	130	0   1	3	<del>                                    </del>		
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500-16	114	<del></del>	3	X )	YXX	
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	1043	5 X	3			
500 - 18	101		┇╫═┼═┼═┼═┼═┼	<del>^</del> -   -	$\times \times \times$	
SED - 19	1000		<del></del>	X X	XXX	
580 - 19A			3	XX	XXX	
Possible Hazard Identification	1000		3		xxx	
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B	<b>12</b> r	Sample Disposal	1			
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24 Hours 48 Hours 7 Days 14 Days 21	Days 🔲 (	Other	OC Requirements (Specify)  A 50 2 000  1. Received By  2. Received By  3. Received By		winger train i intollin	,
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3. Relinquished By	Date	/25/05 HOO		(YWY/5"		Date 1 1705 83 10/25/65 1705 83 Pale 10 1 17000 85
Comments	Date	Time	3. Received By	7 - 1 G	W)(1) 5	10/25/85 1705 30 10/25/85 1705 30 Pale 10/0 5
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# Chain of Custody Record



STL-4124 (0901)	<u> </u>																											
DELTA ENVIRONMENTAL Address				Project Manager  MARK T SCLUMBCHET												Date 10-25-05							Chain of Custody Number 214152					
Address				Telephone Number (Area Code)/Fax Number												Lab Number								느늨			<del>-</del>	
104 JANUS VILLE  City SYNACUSE NT	3/5	MARK J 5CHUMACHEN Telephone Number (Area Code)/Fax Number 3/5-445-0224 /3/5-445-										-0793									Pa	ge			of .	{		
City State Zip	Site C	Site Contact Lab						Lab Contact					Ana				alysis (Attach list if e space is needed)											
Project Name and Location (State)			SAM & MO Carrier/Waybill Number					DIAN PISCHEN					8260 pull 10115															
Project Name and Location (State)  Con Pin . 5 Yn ACUSU  Contract/Purchase Order/Odote No.	. ~ ~	Carrie	r/Wayb	ill Nu	mber							26	72/	ડ્રે									(	Cnon	ialla		tiona/	
Contract/Purchase Order/Quote No.								Containers &					7 2	{										cial Instructions/ ditions of Receipt				
03100250		Matrix					Preservatives					272	3	0	Ų													
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Soil		Unpres.	HNO3	HC!	NaOH ZnAc/	NaOH	1 71	7 6	4	0	9										·		
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580-19 MSD		1000			<		3					X	X	ζ,	x >													
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Possible Hazard Identification  Non-Hazard		<b>∀</b> 1			Dispo:		. *	w			]							(A	lee n	nay b	e ass	esse	id if sa	mples	are re	rtaineo	,	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant  Turn Around Time Required	Poison B	A. Uriknow	7	Retu	ırn To	Client	1	C Re	auirer	By Lab	Specifi	7	ive Foi												~~~~~			
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1. Religouished By Date Time								ASP 2000 CAT B DOCIUMAN ICE  1. Received By  CENG/ISh, ST  PAIS (1)  Time  PAIS (1)  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time													- 3							
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3. Relinquished By  Date Time								3. Received By									7						Date Time					
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# Chain of Custody Record



STL-4124 (0901) Client Chain of Custody Number 214144 ta Environmental Mark Schumacher
Telephone Number (Area Code)/Fax Number Address 15 - 445 - 0221 ontact | Lab Contact Page Analysis (Attach list if BRIAN FISCH more space is needed) Project Name and Location (State) Carrier/Waybill Number Confrect Crance Contract/Purchase Order/Quote No. 8 Metuls (see Special Instructions/ Containers & Conditions of Receipt 0310025P Matrix Preservatives Sample I.D. No. and Description Date Time (Containers for each sample may be combined on one line) 10/24/05 2 15/25/05 850 100 010 10/25/01-1410 7 Ø Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client Months longer than 1 month) Turn Around Time Required QC Requirements (Specify) 24 Hours ☐ 48 Hours 7 Days 14 Days 21 Days 2000 Other DOCIUGNASCES 1. Relinquished By Date 2. Received By 3. Received By Comments DISTRIBUTION: WHITE - Returned b Client with Report: CANARY - Stays with the Sample; PINK - Field Copy

Volatiles



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### ANALYTICAL REPORT

Job#: A05-C234

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

Brian J. Fischer Project Manager

11/18/2005

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# STL Buffalo Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
!!linois	NELAP SDWA, CWA, RCRA	200003
lowa	SW/C5	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
	UST	30
Kentucky UST Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Messachusetts	SDWA, CWA	M-NY044
	SDWA	9937
Michigan Minnesota	. CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
	SDWA	278
Virginia	CWA	· C254
Washington	CWA	252
West Virginia	CWA	998310390
Wisconsin		

Sample Data Summary Package

#### SAMPLE SUMMARY

			SAMP	LED	RECEIV	<b>I</b> D
LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE	TIME	DATE	TIME
A5C23403	TP-38	SOIL	10/26/2005	09:50	10/28/2005	10:00
A5C23401	TP-40	SOIL	10/26/2005	09:00	10/28/2005	10:00
A5C23402	TP-42	SOIL	10/26/2005	11:50	10/28/2005	10:00
A5C23407	TP-44	SOIL	10/26/2005	13:30	10/28/2005	10:00
A5C23407MS	TP-44	SOIL	10/26/2005	14:00	10/28/2005	10:00
A5C23407SD	TP-44	SOIL	10/26/2005	13:30	10/28/2005	10:00
A5C23405	TP-45	SOIL			10/28/2005	
A5C23406	TP-45-1	SOIL	10/26/2005	14:00	10/28/2005	10:00
A5C23408	TP-48	SOIL	10/26/2005	16:10	10/28/2005	10:00
A5C23409	TP-49	SOIL			10/28/2005	
A5C23410	TP-53	SOIL	10/27/2005	11:00	10/28/2005	10:00
A5C23411	TP-55	SOIL			10/28/2005	
A5C23412	TP-58	SOIL			10/28/2005	

#### METHODS SUMMARY

Job#: <u>A05-C234</u>

STL Project#: NY4A9341
Site Name: Delta Environmental Consultants, Inc.

PARAMETER		ALYTICAL METHOD
DELTA - SOIL ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000- MEIHOD 8270 SEMIVOLATILES	ASP00	8270
Arsenic - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Copper - Total	ASP00	6010
Lead - Total	ASP00	6010
Mercury - Total	ASP00	7471
Nickel - Total	ASP00	6010
Zinc - Total	ASP00	6010
Leachable pH	ASP00	9045

"Analytical Services Protocol", New York State Department of Conservation, ASP00 June 2000.

#### NON-CONFORMANCE SUMMARY

Job#: A05-C234

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

### Sample Receipt Comments

#### A05-C234

Sample Cooler(s) were received at the following temperature(s);  $2.0\,^{\circ}\text{C}$  All samples were received in good condition.

#### GC/MS Volatile Data

The Relative Percent Difference (RPD) between the Matrix Spike and the Matrix Spike Duplicate of sample TP-44 exceeded quality control limits for the analyte 1,1-Dichloroethene. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

Sample TP-44 matrix spike and matrix spike duplicate were inadvertently spiked with 25 ug/l instead of the required 50 ug/l.

#### GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank SBLK47 (A5B1677202) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

#### Metals Data

The recovery of sample TP-44 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Cadmium(MS), Chromium(MS), Copper, Lead, Mercury, and Zinc. Sample matrix is suspect. The RPD of sample TP-44 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Cadmium, Chromium, Copper, Lead and Zinc. However, the LCS's are acceptable.

The RPD of sample TP-44 and the Matrix Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

#### Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer Project Manager

11-21-05

Date

Dilution Log w/Code Information For Job A05-C234 8/1622

Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
TP-40	A5C23401	8270	10.00	800
TP-40	A5C23401	Zinc - Total	5.00	800
TP-42	A5C23402	8270	5.00	002
TP-45-1	A5C23406	8270	5.00	002
TP-44	A5C23407MS	8270	5.00	002
TP-44	A5C23407SD	8270	5.00	002
TP-48	A5C23408	8270	5.00	002
TP-49	A5C23409	8270	5.00	002
TP-49	A5C23409	Zinc - Total	5.00	800
TP-53	A5C23410	8270	5.00	002
TP-55	A5C23411	8270	5.00	002
TP-55	A5C23411	Mercury - Total	5.00	
TP-58	A5C23412	8270	5.00	002

#### Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
TP-38	A5C23403	ASP00	ASP00		-	ASP00	-	ASP00
TP-40	A5C23401	ASP00	ASP00	-	_	ASP00	<u>-</u>	ASP00
TP-42	A5C23402	ASP00	ASP00	-	-	ASP00		ASP00
TP-44	A5C23407	ASP00	ASP00	. <u>-</u>	-	ASP00	-	ASP00
TP-45	A5C23405	ASP00	ASP00	-	-	ASP00		ASP00
TP-45-1	A5C23406	ASP00	ASP00		-	ASP00		ASP00
TP-48	A5C23408	ASP00	ASP00	-	_	ASP00		ASP00
TP-49	A5C23409	ASP00	ASP00			ASP00		ASP00
TP-53	A5C23410	ASP00	ASP00	-		ASP00	-	ASP00
TP-55	A5C23411	ASP00	ASP00	-	_	ASP00	-	ASP00
TP-58	A5C23412	ASP00	ASP00	-	-	ASP00	_	ASP00

# SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LAB NAME: SEVERN TRE	NI LADONA I	OKIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
TP-38	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-40	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-42	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-44	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-45	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-45-1	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-48	SOIL	10/26/2005	10/28/2005	-	11/06/2005
TP-49	SOIL	10/27/2005	10/28/2005	-	11/07/2005
TP-53	SOIL	10/27/2005	10/28/2005	-	11/06/2005
TP-55	SOIL	10/27/2005	10/28/2005	-	11/06/2005
TP-58	SOIL	10/27/2005	10/28/2005	-	11/06/2005

# SAMPLE PREPARATION AND ANALYSIS SUMMARY B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

<u>AB NAME: SEVERN TREE</u>	11 PUDOKU	ORID, BIC.			<del> </del>
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
TP-38	SOIL	10/26/2005	10/28/2005	10/30/2005	. 11/11/2005
TP-40	SOIL	10/26/2005	10/28/2005	10/30/2005	11/09/2005
TP-42	SOIL	10/26/2005	10/28/2005	10/30/2005	11/09/2005
TP-44	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-45	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-45-1	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-48	SOIL	10/26/2005	10/28/2005	10/30/2005	11/11/2005
TP-49	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-53	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-55	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005
TP-58	SOIL	10/27/2005	10/28/2005	10/30/2005	11/11/2005

# SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

		SIGITORIAN, IIIC	~ *		
SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
TP-38	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-40	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-42	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-44	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-45	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-45-1	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-48	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-49	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-53	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-55	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005
TP-58	SOIL	9 metal	10/28/2005	11/04-11/09/2005	11/04-11/09/2005

# SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
TP-38	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-40	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-42	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-44	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-45	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-45-1	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-48	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-49	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-53	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-55	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
TP-58	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

# SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

EXTENTION SEVERING TRE	T DIDOIGHT	I	· · · · · · · · · · · · · · · · · · ·		i
LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
TP-38	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-40	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-42	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-44	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-45	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-45-1	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-48	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-49	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-53	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-55	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
TP-58	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

Job:	A05-C234	SDG/Case	
File ID	V12354	Lab ID	A5C23402
Date	11/9/2005	Client ID	TP-42
Initial weight (g)	30:1700	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	48.1
Dilution Factor	5.00	GPC	PARE TRANSPORT

1000

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
				010
14,44	TYPE1		14:22	2450
15.12	TYPE1		8.1	
17.45	TYPE1	77年,在最初上39年	4.19	722
		ATTOM FURNIS		0
er Production (Street Contraction)				0
				0
entrology / 1.76				0
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Alkane Types

Type 1

Type 2 Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane

Unknown Alkane

Job:	A05-C234	SDG/Case	
File ID	V12359	Lab (D	A5C23403
Date	11/111/2005	Client ID	TP-38
Initial weight (g)	30,3500	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	80.4
Dilution Factor	1.00	GPC	B N

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
5.17	NONANE	111-84-2-	4.51	92
6.49	DECANE	124-18-5	13.17	270
7.61	UNDEGANE	-120-21-4	13.76	282
11.91	HEXADECANE	544-76-3	7.47	163
12.23	TYPE2	ANGENTAL CONTRACTOR	8.06	165
12.57	HEPTADECANE	629-78-7	10.07	206
13.12	OCTADECANE	593-45-3	13,36	274
13.55	TETRADECANE	629-59-4	7	143
13.61	NONADECANE	629-92-5	16.71	342
14.04	TYPE2	020-02-0	14.14	290
14.43	TYPE1		14.43	296
14.78	TYPE1		7.74	159
15.42	TYPE1		4.57	94
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Unknown Straight Chain Alkane Unknown Branched Alkane

Type 1 Type 2 Type 3 Type 4

Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C234	SDG/Case	
File ID	V12360	Lab ID	A5C23405
Date	11/11/2005	Client ID	TP-45
Initial weight (g)	30.1600	Injection Volume (uL)	
Final Volume (mL)		Dry Weight (%)	45.63
Dilution Factor	1.00	GPC	

0.4563

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
14.43	HENEICOSANE	≠629-94-7	18.14	659
2 15.1 29 年史	TYPE18E39E49E	· in ) was be easily the care	14.2	
15.98	TYPE2		4.07	148
16,25	TYPE3		33,99	1235
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Alkane Types

Type 1 Type 2 Type 3

Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Job:	A05-C234	SDG/Case	
File ID	V12361	Lab ID	A5C23406
Date	11/11/2005	Client ID	TP-45-1
Initial weight (g)	30.6100	Injection Volume (uL)	2:00
Final Volume (mL)	January Charles and Charles & Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	Dry Weight (%)	48
Dilution Factor	5.00	ÍGPC	N

0.48

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
14.42	HENEICOSANE	629-94-7	5.46	929
15.1	TRICOSANE	638-67-5	4.02	684
16.25 <del>15.25</del>	TYPE3		- 727 ± -	1237
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Type 1

Unknown Straight Chain Alkane Unknown Branched Alkane

Type 2 Type 3 Type 4

Unknown Branched Alka Unknown Cyclic Alkane Unknown Alkane

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File ID	V12362	Lab ID	A5C23407
Date	11/11/2005	Client ID	TP-44
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Initial weight (g)	30.4300	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	34.59
Dilution Factor	1.00	GPC	三 有严重的。毫含是《不容》。N

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
14.43	HENEICOSANE	629-94-7	31.8	15116
15.1	TRICOSANE	638-67-5	29.95	1423
15.98	TYPE1		11.51	547
16.25	TYPE3	STANDARD BEEN STAND	136.62	6490
16.8	TYPE1	instruction to a service of the	14.07	668
16.82	TYPE3	and designate the Market P. D. C.	33.58	1595
17.43	HENTRIACONTANE	630-04-6	14.88	707
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	ा सहार्यम् वर्षास्य प्रदेश स्थापनाः स्थापनाः । स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स्थापनाः स	경영하면 5명성 중요한 항공한 (1) 등을 1구 3일 (1) 24 1년 (1) 등이 10	발표선 2014년 전투의 대표및 편안되다. 보급 특별하고 11 1 12년 - 12년 등 12년 :	
	- 경기 회에 가장 취임 회사가 되는데, 역약을 경기되었는데 - 대한민국 경기를 되었다고 있는데 기계를 위한 기계를 되었다.	기본 등 전기를 했다며 등 함께 하는 이 시기를 하고 있다면 되었다.		
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Job:	A05-C234	SDG/Case	
File ID	V12366	Lab ID	A5C23409
Date	11/11/2005	Client ID	TP-49
lnitial weight (g)	30.9500	Injection Volume (uL)	2.00
Final Volume (mL)	在是是不是的。 在是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的,但是是一个人的	Dry Weight (%)	50.69
Dilution Factor	5,00	GPC	REFERENCE N

0.5069

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
7.61	UNDECANE	1120-21-4	7.08	1128
8.61	DODECANE	112-40-3	10	1594
8.73	TYPE2	residente esta esta esta esta esta esta esta es	14.15	2255
9.53	TRIDECANE	629-50-5	12.73	20295
10.37	TETRADECANE	629-59-4	17.27	2752
் 10.85	HEXADECANE	544.76-3	15.94	2540
11.92	TYPE2		15:12	2409
12.59	TYPE2		96.28	15342
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Alkane Types

Type 1 Type 2 Type 3

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

Type 4

doc: Alkane-ID-Soil 03/18/05 rev1

Job:	A05-C234	SDG/Case	
File ID	V12367	Lab ID	A5C23410
Date	11/11/2005	Client ID	TP-53
Initial weight (g)	30.7100	Injection Volume (uL)	2.00
Final Volume (mL)		Dry Weight (%)	33.93
Dilution Factor	5.00	GPC	N

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
12.58	TYPE2		4.84	 
14.43	TYPE1	J. F. W. Aldertone	5.25	1260
15.1	TYPE1		5.95	1428
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16.8	TYPE1		6.27	1504
17.43	TYPE1	V globalité de victoria de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California de la California	5.32	1276
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File ID	V12368	Lab ID	A5C23411
Date	11/11/2005	Client ID	TP-55
Initial weight (g)	30.7100	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	47.48
Dilution Factor	673-44 <u>5.00</u>	GPC	Ž

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg
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15.1	TYPE1	025-94-7	5,2 j 7,07	
16,25	TYPE3	ena Territorio (1949). Para <del>L</del> arada (1967).		1220
16.8	TYPE1-3		53.67	9260
16.82	TYPE3		7.86	1356
17.43	TYPE1		7.28	1256
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Alkane Types

Type 1 Type 2 Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

# DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

			TP-38
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C23403
Sample wt/vol: 5.2	<u>21</u> (g/mL) <u>G</u>	Lab File ID:	Q8736.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: not dec. <u>16</u>	Heated Purge: Y	Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> ID:	0.25 (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume: (uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/KG Q U 74-87-3-----Chloromethane 11 U 74-83-9-----Bromomethane 11 IJ 75-01-4-----Vinyl chloride 11 75-00-3-----Chloroethane U 11 U 75-09-2----Methylene chloride 11 67-64-1-----Acetone 86 75-15-0-----Carbon Disulfide 1 J 75-35-4----1,1-Dichloroethene 11 U U 75-34-3-----1,1-Dichloroethane 11 IJ 67-66-3-----Chloroform 11 U 107-06-2----1,2-Dichloroethane 11 78-93-3----2-Butanone 11 71-55-6----1,1,1-Trichloroethane U 11 U 56-23-5-----Carbon Tetrachloride 11 Ū 75-27-4-----Bromodichloromethane 11 78-87-5-----1,2-Dichloropropane 11 Ū 10061-01-5---cis-1,3-Dichloropropene 11 IJ 11 U 79-01-6----Trichloroethene U 124-48-1-----Dibromochloromethane 11 U 79-00-5----1,1,2-Trichloroethane 11 Ù 71-43-2----Benzene 11 10061-02-6---trans-1,3-Dichloropropene 11 U Ū 11 75-25-2----Bromoform Ų 108-10-1----4-Methyl-2-pentanone 11 591-78-6----2-Hexanone 11 U Ū 127-18-4----Tetrachloroethene 11 IJ 108-88-3----Toluene 11 U 79-34-5----1,1,2,2-Tetrachloroethane 11 U 108-90-7----Chlorobenzene 11 U 11 100-41-4----Ethylbenzene U 100-42-5----Styrene 11 U 11 1330-20-7----Total Xylenes 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane 11 U 156-59-2----cis-1,2-Dichloroethene 11

# 24/1622

# DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tale Mana Court Describe		TP-38
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23403
Sample wt/vol: 5.21 (g/mL) G	Lab File ID:	Q8736.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: not dec. <u>16</u> Heated Purge: Y	Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me:(uL)
	ONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>g/kg</u> Q
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane		11 U 1 J 11 U
79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane		11 U 11 U 11 U
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		11 U 11 U
98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene		11 U 11 U
106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane		11 U 11 U 11 U
120-82-11,2,4-Trichlorobenzene		11 U

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

25/1622

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Client No.

Lab Name: SIL Buffalo	Contract:		112-30		
Lab Code: RECNY Case	No.: SAS No.;	SDG No.: _			
Matrix: (soil/water) SO	L	Lab Sampl	e ID: <u>A5C234</u>	03	
Sample wt/vol:!	5.21 (g/mL) <u>G</u>	Lab File	ID: <u>08736</u> .	RR	
Level: (low/med) LOX	j	Date Samp	/Recv: <u>10/26/</u>	<u>2005</u> 1	0/28/2005
% Moisture: not dec. 10	<u>5</u>	Date Anal	yzed: <u>11/06/</u>	<u>′2005</u>	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution	Factor:1.	00	
Soil Extract Volume:	(uī.)	Soil Aliq	uot Volume:	<del> ·</del>	(uL)
Number TICs found: _3		CONCENTRATI (ug/L or u	ON UNITS: g/Kg) <u>UG/KG</u>	<u>;</u>	
CAS NO.	Compound Name	RT	Est. Conc.	Q	
1. 110-54-3 2.	HEXANE SATURATED HYDROCARBON	4.02 10.07	12 10	JN J	

DECAHYDRONAPHTHALENE DER.

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#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

	CILCIO	
	TP-40	
Lab Name: STL Buffalo Contract:		_
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL	Lab Sample ID: A5C23401	
Sample wt/vol: 5.01 (g/mL) G	Lab File ID: <u>Q8734.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/26/2005 10/28/200	5
% Moisture: not dec. 21 Heated Purge: Y	Date Analyzed: <u>11/06/2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	٠
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
74-87-3Chloromethane	13 U	
74-83-9Bromomethane	13 U	
75-01-4Vinyl chloride	13 U	
75-00-3Chloroethane	13 U	
75-00-3Chloroethane 75-09-2Methylene chloride	13 U	
67-64-1Acetone	110	
75-15-0Carbon Disulfide	13 U	
75-35-41,1-Dichloroethene	13 U	•
75-34-31,1-Dichloroethane	13 U	
67-66-3Chloroform	13 U	
107-06-21,2-Dichloroethane	13 U	
78-93-32-Butanone	32	

71-55-6-----1,1,1-Trichloroethane

56-23-5-----Carbon Tetrachloride

75-27-4-----Bromodichloromethane

10061-01-5---cis-1,3-Dichloropropene

78-87-5-----1,2-Dichloropropane

124-48-1----Dibromochloromethane

79-00-5-----1,1,2-Trichloroethane

10061-02-6---trans-1,3-Dichloropropene

79-01-6-----Trichloroethene

71-43-2----Benzene

75-25-2----Bromoform

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name	e: SIL Buffalo	0	Contract:	,	TP-	-40	
	•	_					
Lab Code	e: <u>recny</u> c	ase No.:	SAS No.:	SDG No.:			
Matrix:	(soil/water)	SOIL		Lab Sample	e ID: <u>A5C</u>	23401	
Sample v	wt/vol:	5.01 (g/mL)	<u>G</u> .	Iab File	ID: <u>0873</u>	34.RR	
Level:	(low/med)	TOM		Date Samp	/Recv: <u>10/2</u>	<u>26/2005</u> 10	)/28/20 <u>05</u>
% Moistu	re: not dec.	21 Heate	d Purge: Y	Date Analy	yzed: <u>11/0</u>	)6/200 <u>5</u>	
GC Colum	m: <u>DB-624</u>	ID: <u>0.25</u> (1	mm)	Dilution 1	Factor:	1.00	
Soil Ext	ract Volume:	(uL)		Soil Aliq	ot Volume:		(uL)
	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/l		<u> </u>	
	75-71-8 75-69-4	Dichlorodifi Trichloroflu	ichloroethene luoromethane loromethane ate tyl Ether (MTBE)		13 3 13 13	บ บ บ	
	110-82-7 108-87-2 106-93-4	Cyclohexane Methylcyclor 1,2-Dibromoe	nexane		13 13 13 13 13	U U U	
	541-73-1 106-46-7 95-50-1 96-12-8	1,3-Dichlord 1,4-Dichlord 1,2-Dichlord	obenzene obenzene obenzene -3-chloropropane		13 13 13 13 13	ָ ָ ע	

#### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

28/1622

•	. '			TP-40		
Lab Name	: STL Buffalo	Contract:	•			
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) SOIL		Lab Sampi	le ID: <u>A5C234</u>	101	•
Sample w	t/vol:5.0	<u>1</u> (g/mL) <u>G</u>	Lab File	ID: <u>08734</u>	.RR	<del>_</del>
Level:	(low/med) LOW		Date Sam	o/Recv: <u>10/26</u>	<u>/2005 10</u>	0/28/2005
% Moistu	re: not dec. <u>20.9</u>		Date Ana	lyzed: <u>11/06</u> ,	<u>/2005</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1.	.00	•
Soil Ext	ract Volume:	(uL)	Soil Alic	quot Volume: _		(uL)
Number Ti	(Cs found: <u>1</u>		CONCENTRAT: (ug/L or t	ION UNITS: ug/Kg) <u>UG/KC</u>	<u> </u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

·			TP-42
Lab Name: <u>SIL Buffalo</u>	Contract:	y Vocation accounts	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL	•	Lab Sample ID:	A5C23402
Sample wt/vol: $5.01 \text{ (g/mL)}$	<u>G</u>	Lab File ID:	08735.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: not dec. 43 Heated	i Purge: Y	Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (m	nm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

#### CONCENTRATION UNITS: UG/KG O CAS NO. COMPOUND (ug/L.or.ug/Kg). U 74-87-3-----Chloromethane 17 74-83-9-----Bromomethane 17 U U 17 75-01-4-----Vinyl chloride U 17 75-00-3-----Chloroethane IJ 75-09-2-----Methylene chloride 17 ΕJ 67-64-1-----Acetone 580 75-15-0-----Carbon Disulfide 17 IJ 75-35-4-----1,1-Dichloroethene U 17 U 75-34-3-----1,1-Dichloroethane 17 U 67-66-3-----Chloroform 17 U 17 107-06-2----1,2-Dichloroethane 78-93-3----2-Butanone 190 Ū 71-55-6----1,1,1-Trichloroethane 17 56-23-5-----Carbon Tetrachloride 17 IJ 17 U 75-27-4----Bromodichloromethane 78-87-5----1,2-Dichloropropane 17 U 10061-01-5----cis-1,3-Dichloropropene 17 Ū U 17 79-01-6----Trichloroethene U 124-48-1----Dibromochloromethane 17 U 17 79-00-5----1,1,2-Trichloroethane U 71-43-2----Benzene 17 17 U 10061-02-6---trans-1,3-Dichloropropene 75-25-2----Bromoform 17 U 108-10-1----4-Methyl-2-pentanone U 17 U 591-78-6----2-Hexanone 17 127-18-4----Tetrachloroethene U 17 U 17 108-88-3----Toluene 79-34-5----1,1,2,2-Tetrachloroethane 17 U 17 Ħ 108-90-7-----Chlorobenzene U 100-41-4----Ethylbenzene 17 U 100-42-5----Styrene 17 U 17 1330-20-7----Total Xylenes U 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane 17 IJ 17 156-59-2----cis-1,2-Dichloroethene

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:		TP-42		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	_		
Matrix:	(soil/water) <u>SOIL</u>		Lab Sample II	): <u>A5C234</u>	02	
Sample w	t/vol: <u>5.0</u>	<u>1</u> (g/mL) <u>G</u>	Lab File ID:	<u>Q8735.</u>	RR	· ·
Level:	(low/med) <u>LOW</u>		Date Samp/Rec	v: <u>10/26/</u>	<u>2005</u>	10/28/2005
% Moistu	re: not dec. <u>42.7</u>		Date Analyzed	l: <u>1</u> 1/06/	<u>2005</u>	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.</u>	<u>00</u>	
Soil Ext	ract Volume:	(uL)	Soil Aliquot	Volume:		(uL)
Number T	ICs found: <u>1</u>		CONCENTRATION U (ug/L or ug/Kg		<u>.</u>	
-	CAS NO.	Compound Name	RT Es	st. Conc.	Q	<u> </u>
						=

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

# 30/1622

Tale Manage (STEE DecCalls)	TP-42	<u>-</u>
I.ab Name:   STL Buffalo   Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C23402	
Sample wt/vol: 5.01 (g/mL) G	Lab File ID: <u>Q8735.RR</u>	•
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2</u>	005
% Moisture: not dec. <u>43</u> Heated Purge: Y	Date Analyzed: <u>11/06/2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate	17 U 4 J 17 U 17 U	٠
1634-04-4Methyl-t-Butyl Ether (MIBE)	17 U 17 U	
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene	17 U U U	
95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane	17 U 17 U	

### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

r -1- 37	arm para i					TP-42 D	L	
Lad Name	: SIL BUTTALO	<u> </u>	ntract:				22	
Lab Code	: <u>RECNY</u> Ca	ase No.:	SAS No.:	SDG No.: _		•		
Matrix:	(soil/water)	SOIL		Lab Sample	ID:	A5C234021	<u>DL</u>	
Sample w	t/vol:	1.03 (g/mL) <u>G</u>		Lab File II	): <u>(</u>	Q8769.RR	· 	
Level:	(low/med)	LOW		Date Samp/R	ecv:	10/26/200	05 10/:	28/2005
% Moistu	re: not dec.	43 Heated P	urge: <u>Y</u>	Date Analyz	ed:	11/07/200	<u>05</u>	
3C Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)		Dilution Fa	ctor:	1.00		
Soil Ext	ract Volume:	(uL)		Soil Alique	t Volu	me:	(1	ıL)
				CONCENTRATION U	NTTS:			
	CAS NO.	COMPOUND		(ug/L or ug/Kg			Q	
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			·	
	74-87-3	Chloromethane_				85	U	
	74-83-9	Bromomethane	•	1		85	U	
	75-01-4	Vinyl chloride	<del></del>			85	ប	
		Chloroethane_				85	<u>U</u>	
	75-09-2	Methylene chlo	ride	·		85	<u>ת</u>	
-	67-64-1					30	D	
	75-15-0 <i>-</i>	Carbon Disulfi	de			85	U	
	75-35-4	1,1-Dichloroet	hene			85	U	
	75-34-3	1,1-Dichloroet	hane			85	U	
	67-66 <b>-</b> 3	Chloroform	•	. 1		85	U	
	107-06-2	1,2-Dichloroet	hane			85	U	
	78-93-3 <i></i>	2-Butanone				76	M)	
	71-55-6	1,1,1-Trichlor	cethane			35	ש	
	56-23-5	Carbon Tetrach	loride		8	35	U	
	75-27-4	Bromodichlorom	ethane		. 8	35	U	
	78-87-5	1,2-Dichloropro	opane		. {	35	U	
	10061-01-5	cis-1,3-Dichlo	ropropene		8	85	U	
	79-01-6	Trichloroethen	9		}	35	U	
· · · · ·	1:24-48-1	Dibromochlorom	ethane		{	35	שׁ	
	79-00-5	1,1,2-Trichlor	cethane		8	35	שׁ	
	71-43-2	Benzene			. 8	35	ַ	
1	10061-02-6	trans-1,3-Dich	loropropene	1	}	35	U	× .
	75-25-2	Bromoform	<u> </u>		8	35	U	
	108-10-1	4-Methyl-2-pent	anone		8	35	ប	
	591-78-6		-		8	35 .	ש	
1		Tetrachloroethe	ene		8	35	שן	. *
	108-88-3	Toluene				35	U	
		1,1,2,2-Tetracl	lorcethane			35	บ	,
		Chlorobenzene				35	υ	
		Ethylbenzene				35	U	
	100-42-5					35	Ū	
		Total Xylenes				35	Ū	
		1,1,2-Trichloro	-1.2.2-trifluo	proethane		35	Ū	
		cis-1.2-Dichlor				35	11	

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### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

				TP-42	DL	
Lab Name: <u>SII</u>	<u>L. Buffalo</u>	Contract:	was the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	<del></del>	<del></del>	
Lab Code: <u>RE</u> C	CNY Case No.:	_ SAS No.:	SDG No.: _		٠.	
Matrix: (soi]	l/water) <u>SOIL</u>		Lab Sample	ID: <u>A5C2340</u>	<u> 2DL</u>	
Sample wt/vol	l: <u>1.03</u> (g/mI	_) <u>G</u> _	Lab File II	): <u>08769.R</u>	R	-
Level: (low	w/med) <u>LOW</u>		Date Samp/R	ecv: <u>10/26/2</u>	<u>005</u> <u>10/</u>	28/2005
% Moisture: r	not dec. <u>43</u> Heat	ed Purge: Y	Date Analyz	ed: <u>11/07/2</u>	<u>005</u>	
GC Column: <u>D</u> E	B-624 ID: 0.25	(mm)	Dilution Fa	ctor:1.0	<u>0</u>	٠.
Soil Extract	Volume: (uL)		Soil Alique	ot Volume:	(	uL)
CAS	NO. COMPOUND		CONCENTRATION U (ug/L or ug/Kg		Q	_
75-6 75-6 79-2 1634 110-	-60-5trans-1,2- 71-8Dichlorodi 59-4Trichlorof 20-9Methyl ace 1-04-4Methyl-t-F	fluoromethane fluoromethane etate gutyl Ether (MIBE) ne		85 85 85 85 85 85	บ บ บ บ	
108- 106- 98-8 541- 106- 95-5 96-1	-87-2Methylcycl -93-41,2-Dibron 32-8Isopropylk -73-11,3-Dichlo -46-71,4-Dichlo 50-11,2-Dichlo 12-81,2,4-Tric	ohexane pethane penzene probenzene probenzene probenzene probenzene po-3-chloropropane		85 85 85 85 85 85 85	ט ט ט ט ט ט ט	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 34/1622

- 1- 37	CTT TO 6.5.3		,	TP-42 D	L	
Lad Name	: SIL BUITALO	Contract:				
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	_ SDG No.:	name.		
Matrix:	(soil/water) <u>SOIL</u>		Lab Sample ID	<u>A5C234</u>	02DL	
Sample w	t/vol: <u>1.0</u>	3 (g/mL) <u>G</u>	Lab File ID:	<u>08769.</u>	RR	<del></del>
Level:	(low/med) <u>LOW</u>		Date Samp/Rec	v: <u>10/26/</u>	2005 1	0/28/2005
% Moistu	re: not dec. <u>42.7</u>		Date Analyzed	: 11/07/	2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.</u>	<u>00</u>	·
Soil Ext	ract Volume:	(uL)	Soil Aliquot	Volume:	·	(uL)
Number T	ICs found: <u>1</u>		CONCENTRATION U (ug/L or ug/Kg		· -	
	CAS NO.	Compound Name	RT Es	t. Conc.	Q	
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#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

			TP-44	
Lab Name: <u>STL Buffalo</u>	Contract:		<u> </u>	
Lab Code: REKONY Case No.:	SAS No.:	SDG No.: _	<del> </del>	
Matrix: (soil/water) SOIL		Lab Sample	ID: <u>A5C2340</u>	7
Sample wt/vol: 5.09 (g/mL)	) <u>G</u>	Lab File ID	): <u>Q8739.Ri</u>	R
Level: (low/med) LOW		Date Samp/R	ecv: <u>10/26/2</u>	005 10/28/2005
% Moisture: not dec. 45 Heate	ed Purge: <u>Y</u>	Date Analyz	ed: <u>11/06/2</u>	005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(nm)	Dilution Fa	ctor:1.0	<u>o</u>
Soil Extract Volume: (uL)		Soil Alique	ot Volume:	(uL)
CAS NO. COMPOUND		CONCENTRATION U (ug/L or ug/Kg		Q
74-87-3Chloromethal 74-83-9Bromomethal 75-01-4Vinyl chloromethal 75-00-3Chloroethal 75-09-2Methylene 67-64-1	ne ride ne chloride  ulfide roethene roethane  nloroethane rachloride promethane ropropane chloropropene thene promethane		18 18 18 19 150 18 18 18 18 18 18 18 18 18 18	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט
79-00-51,1,2-Trick 71-43-2Benzene 10061-02-6trans-1,3-K 75-25-2Bromoform 108-10-14-Methyl-2- 591-78-62-Hexanone	Dichloropropene_ -pentanone		18 18 18 18 18	บ บ บ บ

127-18-4----Tetrachloroethene

108-90-7-----Chlorobenzene

100-41-4----Ethylbenzene

79-34-5----1,1,2,2-Tetrachloroethane

156-59-2----cis-1,2-Dichloroethene

76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane

108-88-3----Toluene

100-42-5-----Styrene 1330-20-7----Total Xylenes

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

_ , :_						TP-44		
Lab Name	: STL Buffal	<u>o</u> (	Ontract:					
Lab Code	: RECNY C	ase No.:	SAS No.:	SDG No.:				
Matrix:	(soil/water)	SOIL		Lab Sample	e ID:	A5C23407		
Sample w	t/vol:	5.09 (g/mL) <u>G</u>	<u>}</u>	Lab File 1	ID:	08739.RR		
Level:	(low/med)	TOM	· ·	Date Samp,	Recv:	10/26/20	<u>05</u> 10/2	28/2005
% Moistu	re: not dec.	45 Heated	Purge: Y	Date Analy	zed:	11/06/20	<u>05</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm	n)	Dilution I	Factor:	1.00		
Soil Exti	ract Volume:	(uL)		Soil Aliq	ot Volu	me:	(1	īŗ)
-	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/L		G/KG_	Q	
	75-71-8 75-69-4 79-20-9 1634-04-4	trans-1,2-Dic Dichlorodiflu Trichlorofluc Methyl acetat Methyl-t-Buty Cyclohexane	oromethane promethane		· · · · · · · · · · · · · · · · · · ·	18 18 18 18 18	บ บ บ บ บ	
	108-87-2 106-93-4	Methylcyclohe 1,2-Dibromoet Isopropylbenz	hane		. •	18 18 18	n n	
	541-73-1 106-46-7	1,3-Dichlorob 1,4-Dichlorob 1,2-Dichlorob	enzene enzene			18 18 18	U U U	
	96-12-8	1,2-Dibromo-3 1,2,4-Trichlo	-chloropropane_			18 18	U U	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

37/1622

		TP-44	1
Lab Name: STL Buffalo	Contract:		L
Lab Code: RECNY Case No	.: SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID: A5C23407	
Sample wt/vol: 5.0	9 (g/mL) <u>G</u>	Lab File ID: <u>Q8739.RR</u>	
Level: (low/med) <u>LOW</u>		Date Samp/Recv: <u>10/26/2005</u> <u>10/28/20</u>	05
% Moisture: not dec. 44.5		Date Analyzed: <u>11/06/2005</u>	-
GC Column: <u>DB-624</u> ID	:_0.25 (mm)	Dilution Factor:1.00	
Soil Extract Volume:	(uL)	Soil Aliquot Volume: (uL)	
Number TICs found: 2		CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	
CAS NO	Compound Name	RT Est. Conc. Q	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.57	10	J
2. 110-54-3	HEXANE	4.03	16	JN

### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

			TP-45		
Lab Name: <u>STL Buffalo</u>	Contract:		·		
Lab Code: <u>RECNY</u> Case	2 No.: SAS No.:	SDG No.:	-		
Matrix: (soil/water) <u>sc</u>	DII.	Iab Sample ID:	A5C23405		
Sample wt/vol:	5.03 (g/mL) <u>G</u>	Lab File ID:	08737.RR		
Level: (low/med) $\underline{LC}$	<u>XV</u>	Date Samp/Recv:	10/26/200	05 10/2	8/2005
% Moisture: not dec	46 Heated Purge: Y	Date Analyzed:	11/06/200	<u>05</u>	T.
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00		,
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me:	(u	L)
CAS NO.	<del>-</del> -	ONCENTRATION UNITS: (ug/L or ug/Kg) <u>[</u>	JG/KG	Q	•.
75-00-3 75-09-2 75-15-0 75-35-4 75-34-3 75-66-3 107-06-2 78-93-3 71-55-6 75-27-4 78-87-5 10061-01-5 79-01-6 79-00-5 71-43-2	Bromomethane Vinyl chloride Chloroethane Methylene chloride Acetone Carbon Disulfide 1,1-Dichloroethane 1,1-Dichloroethane Chloroform 1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropane cris-1,3-Dichloropropane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropane		120 18 18 18 18 18 18 18 18 18 18	המממממ ממממ ממממ	
10061-02-6 75-25-2 108-10-1 591-78-6 127-18-4 108-88-3 79-34-5 108-90-7 100-41-4 100-42-5 1330-20-7	trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone 2-Hexanone Tetrachloroethene Toluene 1,1,2,2-Tetrachloroethane Chlorobenzene Ethylbenzene Styrene	ethane_	18 18 18 18 18 18 18 18 18 18 18 18	ם מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

~ 1 tr.	Cent to EE 7	Quality of		TP-45		
Lab Name	e: Sil Buttalo	Contract:		<u> </u>		
Lab Code	: <u>RECNY</u> Ca	se No.: SAS No.:	SDG No.:		•	
Matrix:	(soil/water)	SOIL	Lab Sample ID:	A5C23405	5_	
Sample w	rt/vol:	5.03 (g/mL) <u>G</u>	Lab File ID:	08737.RI	R	
Level:	(low/med)	<u>IOW</u>	Date Samp/Recv	10/26/20	005 10/2	3/2005
% Moistu	re: not dec.	46 Heated Purge: Y	Date Analyzed:	11/06/2	<u>005</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	: <u>1.00</u>	<u>o</u>	
Soil Ext	ract Volume:	(uL)	Soil Aliquot Vo	olume:	(u	L)
	CAS NO.	•	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	
	75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7 108-87-2	Methylcyclohexane		18 5 18 18 18 18	บ บ บ บ บ	
	106-93-4 98-82-8	1,2-Dibromoethane		18 18 18	U U U	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

			•			
_				TP-45-1	•	
Lab Name	e: <u>SIL Buffal</u> c	o Contract:	M-1-1-1	<u> </u>		
Lab Code	e: <u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.:			
Matrix:	(soil/water)	SOIL	Lab Sample ID:	A5C23406	<u>,                                      </u>	
Sample v	vt/vol:		Iab File ID:	Q8738_RR	<u> </u>	
Level:	(low/med)	TOM	Date Samp/Recv	: 10/26/20	<u>05</u> <u>10/</u>	28/2005
% Moistu	re: not dec.	24 Heated Purge: Y	Date Analyzed:	11/06/20	<u>05</u>	
GC Colum	m: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	r:1.00		
Soil Ext	ract Volume:	(uL)	Soil Aliquot V	olume:	· (1	uL)
	CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q	_
	74-87-3	Chloromethane		13	U	
	74-83-9	Bromomethane	-	13	U	
	75-01-4	Vinyl chloride		13	U	
	75-00-3	Chloroethane		13	U	
	75-09-2	Methylene chloride		1.3	լս	
	67-64-1			72		
				13	U	
2	75-35-4	1,1-Dichloroethene	·	13	U	
	75-34-3	1,1-Dichloroethane		13	U	
	67-66-3	Chloroform_		13	U	
	107-06-2	1,2-Dichloroethane		13	U	
i i		2-Butanone		24		
		1,1,1-Trichloroethane		13	ָ U	
		Carbon Tetrachloride	<u> </u>	13	U	
•	1	Bromodichloromethane	<u> </u>	13	U	
		1,2-Dichloropropane		. 13	U	
	10061-01-5	cis-1,3-Dichloropropene	<u> </u>	13	U	
	ı	Trichloroethene		13	U	
		Dibromochloromethane		13	U	
		1,1,2-Trichloroethane		.13	U	
	71-43-2			13	U	
		trans-1,3-Dichloropropene_	<u> </u>	13	U	
	75-25-2			13	U	
		4-Methyl-2-pentanone	· ·	13	ש	
	591-78-6			13	U	
		Tetrachloroethene		13	U	:
÷	108-88-3		-	13	U	
		1,1,2,2-Tetrachloroethane		13	U	
		Chlorobenzene		13	ט	
		Ethylbenzene		13	ַע	1
i	100-42-5			13	U	
		Total Xylenes		13	U	
		1,1,2-Trichloro-1,2,2-trifl	luoroethane	13	U	
	156-59-2	cis-1,2-Dichloroethene		13	U	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 40/1622

		TP-45	-
Lab Name: STL Buffalo Contract:	<del>_</del>		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C23405	
Sample wt/vol: 5.03 (g/mL) G	Lab File ID:	<u>08737.RR</u>	·
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/26/2005	10/28/2005
% Moisture: not dec. 45.5	Date Analyzed:	11/06/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	•
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
Number TICs found:1	CONCENTRATION UNIT (ug/L or ug/Kg)		
CAS NO. Compound Name	RT Est.	Conc. Q	

#### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

		TP-45-	1.	
Lab Name: STL Buffalo Contract:	_ <del></del>	<u> </u>		
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:			
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	<u> </u>	5	
Sample wt/vol: $5.03$ (g/mL) G	Lab File ID:	08738.R	R.	
Level: (low/med) <u>LOW</u>	Date Samp/Recv	: 10/26/2	005 10/2	<u>28/2005</u>
% Moisture: not dec. <u>24</u> Heated Purge: Y	Date Analyzed:	11/06/2	<u>005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Facto	r:1.0	<u>0</u>	
Soil Extract Volume: (uL)	Soil Aliquot V	olume:	(1	л <b>Г</b> )
CAS NO. COMPOUND	CONCENIRATION UNIT (ug/L or ug/Kg)		Q	
541-73-11,3-Dichlorobenzene		13 13 13 13 13 13 13 13 13 13 13 13 13	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

43/1622

		1	TP-45-T
Lab Name: <u>STL Buffalo</u>	Contract:	. <b>i</b>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23406
Sample wt/vol:	) <u>G</u>	Lab File ID:	Q8738.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2009
% Moisture: not dec. 23.8		Date Analyzed:	.11/06/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	lume: (uL)
Number TICs found: _2		CONCENTRATION UNIT (ug/L or ug/Kg)	
CAS NO.	Compound Name	RT Est.	Conc. Q

CAS NO.	CAS NO. Compound Name RT		Est. Conc.	Ď,
1.	UNKNOWN	1.56	7	J
2. 110-54-3	HEXANE	4.03	12	NL

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

					TP-48	
Lab Name	: STL Buffal	Ō	Contract:		<u> </u>	
ab Code	: <u>RECNY</u> C	ase No.:	_ sas no.:	SDG No.:	_ <del></del>	
Matrix:	(soil/water)	SOIL	•	Lab Sample ID:	A5C23408	<u>.                                    </u>
Sample w	t/vol:	5.07 (g/mL)	) <u>G</u>	Lab File ID:	<u>08740.RR</u>	<u> </u>
Level:	(low/med)	LOW		Date Samp/Recv	v: <u>10/26/20</u>	05 10/28/2005
≹ Moistu	re: not dec.	9 Heate	ed Purge: Y	Date Analyzed	11/06/20	<u>105</u>
3C Colum	n: <u>D</u> B-624	D: <u>0.25</u>	(mm)	Dilution Facto	or: 1.00	!
Soil Ext	ract Volume:	(uL)		Soil Aliquot V	Volume:	(uL)
	CAS NO.	COMPOUND		CONCENTRATION UNIT		Q
	74-83-9 75-01-4	Bromomethan Vinyl chlo	ride		11 11 11	บ บ บ
	75-00-3 75-09-2 67-64-1	Chloroethai Methylene (	chloride		11 11 340 11	U E U
	75-35-4 75-34-3 67-66-3	1,1-Dichlor 1,1-Dichlor Chloroform	roethene roethane		11 11 11	U U
	78-93-3 71 <b>-</b> 55-6	2-Butanone 1,1,1-Tricl	roethane hloroethane		11 57 11	U
. •	75-27-4 78-87-5	Carbon Teti Bromodichlo 1,2-Dichlor	oromethane ropropane		11 11 · 11	ָ
. *	79-01-6 124-48-1	Trichloroet Dibromochlo			11 11 11 11	บ บ บ
	71-43-2	1,1,2-Tricl Benzene trans-1 3-1	nichloropropene		11 11	U
	75-25-2	Bromoform 4-Methyl-2-			11 11	U U
•	591-78-6 127-18-4	2-Hexanone Tetrachloro			11 11 11	ט ט
	108-90-7	1,1,2,2 <del>-Tet</del> Chlorobenze			11 11	บ
	100-42-5	Ethylbenzer Styrene Total Xyler			11 11 11	U U U
	76-13-1	1,1,2-Trich	ıloro-1,2,2-trifl	uoroethane	11 11	U

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

			TP-48		
Lab Name: <u>STL Buffalo</u>	Contract:		- I		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.: _		ř	٠
Matrix: (soil/water) <u>SOIL</u>		Lab Sample 1	D: <u>A5C2340</u>	<u>3 ·</u>	
Sample wt/vol: 5.07	(g/mL) G_	Lab File ID:	<u>Q8740.R</u> 1	2	
Level: (low/med) <u>LOW</u>	· ·	Date Samp/Re	ecv: <u>10/26/2</u>	005 10/	28/2005
% Moisture: not dec9	Heated Purge: Y	Date Analyza	ed: <u>11/06/2</u>	005	
GC Column: <u>DB-624</u> ID: _	0.25 (nm)	Dilution Fac	etor:1.0	<u>0</u>	
Soil Extract Volume:	(uL)	Soil Aliquot	: Volume:	(	uL)
CAS NO. COMPO	XUND	CONCENTRATION UN (ug/L or ug/Kg)		Q	
75-71-8Dichi 75-69-4Trich 79-20-9Methy 1634-04-4Methy 110-82-7Cyclo 108-87-2Methy 106-93-41,2-I 98-82-8Isopri 541-73-11,3-I 106-46-71,4-I 95-50-11,2-I	vl-t-Butyl Ether (MIBE) phexane vlcyclohexane pibromoethane copylbenzene pichlorobenzene pichlorobenzene		11 11 11 11 11 11 11 11 11 11	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
96-12-81,2-D 120-82-11,2,4	ibromo-3-chloropropane -Trichlorobenzene		11	บ	

### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

			TP-48
Lab Name: STL Buffalo	Contract:		
Lab Code: RECNY Case No	o.: SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23408
Sample wt/vol: 5.0	<u>7</u> (g/mL) <u>G</u>	Lab File ID:	<u>0</u> 8740.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: not dec. 9.3		Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> II	0.25 (mm)	Dilution Factor	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	tume: (uL)
Number TICs found:1		CONCENTRATION UNIT (ug/L or ug/Kg)	
CAS NO.	Compound Name	RT Est.	Conc. Q

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.02	9	JN

# DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

TP-48	DL	

7 -1- Mana - OFF TO-FF-1-	Classification of a		
Lab Name: <u>STL Buffalo</u>	Contract:	*	
Lab Code: RECNY Case No.:	SAS No.:	_ SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23408DL
Sample wt/vol: 1.00 (g/mL)	<u>G</u>	Lab File ID:	<u>08768 RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: not dec. 9 Heate	d Purge: Y	Date Analyzed:	11/07/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (	nm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
			+

#### CONCENTRATION UNITS: Q. (uq/L or ug/Kg) UG/KG\_ CAS NO. COMPOUND U 55 74-87-3-----Chloromethane 55 Ü 74-83-9----Bromomethane U 55 75-01-4-----Vinyl chloride IJ 55 75-00-3-----Chloroethane U 75-09-2----Methylene chloride 55 D 350 67-64-1----Acetone U 75-15-0-----Carbon Disulfide 55 55 U 75-35-4----1,1-Dichloroethene 55 U 75-34-3-----1,1-Dichloroethane 55 U 67-66-3-----Chloroform U 107-06-2----1,2-Dichloroethane 55 U 55 78-93-3----2-Butanone 55 U 71-55-6-----1,1,1-Trichloroethane 55 Ŭ 56-23-5-----Carbon Tetrachloride U 55 75-27-4-----Bromodichloromethane 55 U 78-87-5----1,2-Dichloropropane U 10061-01-5---cis-1,3-Dichloropropene 55 55 U 79-01-6----Trichloroethene 55 U 124-48-1----Dibromochloromethane U 55 79-00-5----1,1,2-Trichloroethane U 55 71-43-2----Benzene IJ 10061-02-6---trans-1,3-Dichloropropene 55 U 55 75-25-2----Bromoform U 55 108-10-1----4-Methyl-2-pentanone U 591-78-6----2-Hexanone 55 Ŭ 127-18-4----Tetrachloroethene 55 55 U 108-88-3----Toluene 79-34-5-----1,1,2,2-Tetrachloroethane 55 IJ U 108-90-7----Chlorobenzene 55 55 U 100-41-4----Ethylbenzene U 55 100-42-5----Styrene 55 U 1330-20-7----Total Xylenes U 55 76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane U 156-59-2----cis-1,2-Dichloroethene 55

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

				TP-4	8 DL	
Lab Name	e: <u>STL Butfalo</u>	Contract:	<del> </del>	L		
Lab Code	: <u>RECNY</u> Ca	se No.:	SDG No.:	<del></del>		
Matrix:	(soil/water)	SOIL	Lab Sample II	. <u>A5C23</u>	408DL	
Sample w	t/vol:	1.00 (g/mL) <u>G</u>	Lab File ID:	<u>0</u> 8768	.RR	_
Level:	(low/med)	LCW	Date Samp/Rec	v: <u>10/26</u>	/2005 <u>10</u> /	<u>′28/2005</u>
% Moistu	re: not dec.	9 Heated Purge: Y	Date Analyzed	: <u>11/07</u>	<u>/2005</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Fact	or: <u>1</u>	.00	
Soil Ext	ract Volume:	(uL)	Soil Aliquot	Volume: _		(교上)
	CAS NO.	COMPOUND	CONCENIRATION UNI (ug/L or ug/Kg)		Q	
	75-71-8 75-69-4	trans-1,2-Dichloroethene Dichlorodifluoromethane Trichlorofluoromethane Methyl acetate		55 55 55 55	บ บ บ	
	110-82-7	Methyl-t-Butyl Ether (MTBE)CyclohexaneMethylcyclohexane1,2-Dibromoethane		55 55 55 55	n n	
. •	98-82-8	Isopropylbenzene		55 55 55	U U	
	96-12-8	1,2-Dibromo-3-chloropropane_		55 55	ח ח	
	1120-82-1	1,2,4-Trichlorobenzene		55	JU	1

# DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

49/1622

Lab Name	: STL Buffalo	· Cor	ntract:		TP-48 D	L3	
Lab Code	: <u>RECNY</u> Case No	·:	SAS No.:	SDG No.: _			
Matrix:	(soil/water) <u>SOIL</u>			Lab Sampl	le ID: <u>A5C234</u>	08DL	
Sample w	t/vol: <u>1.0</u>	<u>)0</u> (g/m <b>L</b> ) <u>G</u>	-	Lab File	ID: <u>08768.</u>	RR	
Level:	(low/med) <u>IOW</u>			Date Sam	o/Recv: <u>10/26/</u>	<u> 2005 1</u>	0/28/2005
% Moistu	re: not dec. <u>9.3</u>	1	•	Date Anal	lyzed: <u>11/07/</u>	2005	
GC Column	n: <u>DB-624</u> II	): <u>0.25</u> (mm)	· •	Dilution	Factor: 1.	<u>00</u>	
Soil Ext	ract Volume:	(uL)		Soil Alic	quot Volume:		(uL)
Number T	ICs found: <u>1</u>			CONCENIRATION (ug/L or t	ION UNITS: ug/Kg) <u>UG/KG</u>	· · · · · · · · · · · · · · · · · · ·	
	CAS NO.	Cc	mpound Name	RT	Est. Conc.	Q	
	1. 110-54-3	HEXANE		4.02	65	JN	]

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

	•		TP-49		
Lab Name: <u>SIL Buffalo</u>	Contract:	<del></del>		•	
Lab Code: <u>RECNY</u> Ca	se No.: SAS No.:	SDG No.:	•		
Matrix: (soil/water)	SOIL	Lab Sample ID:	A5C23409_		
Sample wt/vol:	<u>5.14</u> (g/mL) <u>G</u>	Lab File ID:	<u>0</u> 8778.RR		
Level: (low/med)	LOW	Date Samp/Recv:	10/27/2005	10/2	<u>8/2005</u>
% Moisture: not dec.	29 Heated Purge: Y	Date Analyzed:	11/07/2005	2	ē
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00		
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:	(u	<b>L)</b>
CAS NO.		CONCENIRATION UNITS: (ug/L or ug/Kg)		Q	
74-87-3	Chloromethane			J	
74-83-9	Bromomethane		14   T	J.	
75-01-4	Vinyl chloride		14 T		
75-00-3	Chloroethane Methylene chloride Acetone			,	
75-09-2	Methylene chioride			,	
67-64-1	Acetone		210		
75-15-0	AcetoneCarbon Disulfide1.1-Dichloroethene	·		J	
				J ·	
/5-34-3	1,1-DICHTOTOECHERIE		14 [t		
67-66-3	Chloroform	<b>.</b>	1	J	
107-06-2	1,2-Dichloroethane		14	J_	
78-93-3	2-Butanone		,	J	
71-55-6	1,1,1-Trichloroethane		· I	J	
156-23-5	Carbon Tetrachloride	•	14 [	1	
75-27-4	Bromodichloromethane		14 [t		
78-87-5	1,2-Dichloropropane	•	14 [1		٠
10061-01-5	cis-1,3-Dichloropropene	<u> </u>	14 [		_
	Trichloroethene		14		-
	Dibromochloromethane		14   U		
	1,1,2-Trichloroethane		14 [	,	
71-43-2			14 [t		
	trans-1,3-Dichloropropene	•	14 [		
75-25-2			14 [t	- )	٠.
	4-Methyl-2-pentanone		14		
591-78-6		·	14 [t		
	Tetrachloroethene		14 [	1	
108-88-3			14 \ \		
	1,1,2,2-Tetrachloroethane		14	1	
	Chlorobenzene		14 [		
	Ethylbenzene		14 [U		
100-42-5			14 ] [		
	Total Xylenes		14   [		•
	1,1,2-Trichloro-1,2,2-trifluo	roethane	14 [U		
156-59,-2	cis-1,2-Dichloroethene		14 [	J	

# DELITA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

		TP-49
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23409
Sample wt/vol: <u>5.14</u> (g/mL) <u>G</u>	Lab File ID:	08778 .RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: not dec. $\underline{29}$ Heated Purge: $\underline{Y}$	Date Analyzed:	11/07/2005
SC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1,00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	IG/KG Q
156-60-5trans-1,2-Dichloroethene 75-71-8Dichlorodifluoromethane 75-69-4Trichlorofluoromethane 79-20-9Methyl acetate 1634-04-4Methyl-t-Butyl Ether (MIBE) 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane	(ug/L or ug/Kg) <u>U</u>	14 U U 14 U U 14 U U U U U U U U U U U U

#### DELITA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 52/1622

			TP-49
Lab Name: <u>STL Buffalo</u>	Contract:	· -	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23409
Sample wt/vol: 5.14 (g/mL)	) <u>G</u>	Lab File ID:	<u>08778.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2009
% Moisture: not dec. 28.8		Date Analyzed:	11/07/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	:1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
Number TICs found: 10		CONCENTRATION UNIT	

CAS NO. Compound Name	RT	Est. Conc.	Q
1. 110-54-3 HEXANE 2. SATURATED HYDROCARBON 3. UNKNOWN 4. UNKNOWN 5. SATURATED HYDROCARBON 6. SATURATED HYDROCARBON 7. UNKNOWN 8. SATURATED HYDROCARBON 9. SATURATED HYDROCARBON UNKNOWN 10. UNKNOWN	4.02 10.83 11.00 11.32 11.68 11.79 12.15 12.22 12.41 12.55	16 27 9 26 24 32 27 18 11	JN J J J J J J J J J

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

			TP-53
Lab Name: STL Buffalo	Contract:	<del></del>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C23410
Sample wt/vol: $5.01$ (g/mL)	<u>G</u>	Lab File ID:	Q8742.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: not dec. <u>27</u> Heated	l Purge: Y	Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:(wL)

CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	rs: <u>ug/kg</u>	Q
74-87-3Chloromethane		14	ט
74-83-9Bromomethane		. 14	ע
75-01-4Vinyl chloride		14	U .
75-00-3Chloroethane		14	U
75-09-2Methylene chloride		14	ַ ען
67-64-1Acetone		75	[
75-15-0Carbon Disulfide		<b>14</b> .	ע
75-35-41,1-Dichloroethene		14	U
75-34-31,1-Dichloroethane		14	ע
67-66-3Chloroform		14	ן טן:
107-06-21,2-Dichloroethane		14	ן ט
78-93-32-Butanone		27	
71-55-61,1,1-Trichloroethane	-	14	U
56-23-5Carbon Tetrachloride		14	ט
75-27-4Bromodichloromethane		14	ע
78-87-51,2-Dichloropropane	<u> </u>	14	U
10061-01-5cis-1,3-Dichloropropene	·	.14	U
79-01-6Trichloroethene		14	U
124-48-1Dibromochloromethane		14	U.
79-00-51,1,2-Trichloroethane		14	U
71-43-2Benzene		14	U
10061-02-6trans-1,3-Dichloropropene		14	U
75-25-2Bromoform		14	U
108-10-14-Methyl-2-pentanone		14	U
591-78-62-Hexanone		14	U
127-18-4Tetrachloroethene	·	14	U
108-88-3Toluene		14	U
79-34-51,1,2,2-Tetrachloroethane		14	U
108-90-7Chlorobenzene		1 <del>4</del>	U .
100-41-4Ethylbenzene		14	ן ט
100-42-5Styrene		14	ט
1330-20-7Total Xylenes		14	ט
76-13-11,1,2-Trichloro-1,2,2-trifl	uoroethane	14	ש
156-59-2cis-1,2-Dichloroethene		14	U

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

T = h		<u> </u>		TP-53		
Lao Name	: SIL BULISIO	Contract:	<u>-</u>			
Lab Code	: <u>RECNY</u> Case	No.: SAS No.: _	SDG No.:			
Matrix:	(soil/water) SC	<u>DIL</u>	Lab Sample	e ID: <u>A5C234</u>	10	
Sample w	t/vol: _	5.01 (g/mL) <u>G</u>	Lab File	ID: <u>08742.</u>	RR	
Level:	(low/med) <u>LC</u>	<u>W</u>	Date Samp	/Recv: <u>10/27/</u>	2005 <u>10/</u> 2	28/2005
% Moistu	re: not déc	27 Heated Purge: Y	Date Analy	yzed: <u>11/06/</u>	<u> 2005</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution 1	Factor: 1.	<u>00</u>	
Soil Ext	ract Volume: _	(uL)	Soil Aliq	uot Volume:		uL)
	CAS NO.	COMPOUND	CONCENIRATION (ug/L or ug/l	UNITS: Kg) <u>UG/KG</u>	Q	
	75-71-8 75-69-4 79-20-9 1634-04-4 110-82-7	trans-1,2-Dichloroethene Dichlorodifluoromethane Trichlorofluoromethane Methyl acetate Methyl-t-Butyl Ether (MIE Cyclohexane	)	14 14 14 14 14	ט ט ט ט	
	108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1	Methylcyclohexane  1,2-Dibromoethane  Isopropylbenzene  1,3-Dichlorobenzene  1,4-Dichlorobenzene  1,2-Dichlorobenzene  1,2-Dibromo-3-chloropropa		14 14 14 14 14 14	ט ט ט ט ט ט	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

55/1622

	TP-53
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C23410
Sample wt/vol: $5.01$ (g/mL) $G$	Lab File ID: <u>Q8742.RR</u>
Level: (low/med) LOW	Date Samp/Recv: 10/27/2005 10/28/2005
% Moisture: not dec. 27.4	Date Analyzed: <u>11/06/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TTCs found: 3	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.56	15	J
2.	UNKNOWN	1.87	8	J
3. 110-54-3	HEXANE	4.02	12	JN

# DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

TP-55   Lab Name: STI, Buffalo   Contract:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:   SD3 No.:		
Lab Code: RECNY   Case No.: SAS No.: SD3 No.:   Matrix: (soil/water)   SOIL   Lab Sample ID: A5C23411	l "	
Matrix: (soil/water)   SOIL   Lab Sample ID:   A5C23411	STL Buffalo Contract:	
Sample wt/vol: 5.04 (g/mL) G	RECNY Case No.: SAS No.: SDG No.:	
Date Samp/Recv: 10/27/2005 10/28/2005   Noisture: not dec. 43   Heated Purge: Y   Date Analyzed: 11/06/2005     Column: DB-624   ID: 0.25 (mm)   Dilution Factor: 1.00     Soil Extract Volume: (uL)   Soil Aliquot Volume: (uL)	pil/water) SOIL Lab Sample ID: A5C23411	
## Moisture: not dec	vol: $\underline{5.04}$ (g/mL) $\underline{G}$ Lab File ID: $\underline{O8743.RR}$	
DB-624   ID: 0.25 (mm)   Dilution Factor:1.00	low/med) <u>LOW</u> Date Samp/Recv: <u>10/27/2005</u> <u>1</u>	.0/28/2005
CAS NO.   COMPOUND   CONCENTRATION UNITS:   CAS NO.   COMPOUND   (ug/L or ug/Kg)   UG/KG   Q	not dec. 43 Heated Purge: Y Date Analyzed: 11/06/2005	
CONCENTRATION UNITS:   CAS NO.   COMPOUND   (ug/L or ug/Kg)   UG/KG   Q	<u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>	· <u>-</u>
CAS NO.         COMPOIND         (ug/L or ug/Kg)         UG/KG         Q           74-87-3	ct Volume: (uL) Soil Aliquot Volume:	(uL)
74-83-9		)
75-25-2Bromoform	-83-9 Brommethane   17   U   5-01-4 Vinyl chloride   17   U   5-00-3 Chloroethane   17   U   5-09-2 Methylene chloride   17   U   5-09-2 Methylene chloride   17   U   5-09-2 Methylene chloride   17   U   5-64-1 Acetone   240   5-15-0 Carbon Disulfide   17   U   5-35-4 1,1-Dichloroethene   17   U   5-34-3 1,1-Dichloroethene   17   U   5-34-3 1,1-Dichloroethane   17   U   5-66-3 Chloroform   17   U   5-66-3 Chloroform   17   U   5-66-3 Chloroethane   17   U   5-23-5 Carbon Tetrachloride   17   U   5-23-5 Carbon Tetrachloride   17   U   5-27-4 Bromodichloromethane   17   U   5-27-4 Bromodichloromethane   17   U   5-27-4 Bromodichloromethane   17   U   5-27-4 Bromodichloromethane   17   U   5-27-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-25-2 Bromoform   17   U   5-	

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

				TP-55
Lab Name	: STL Buffalo	Contract:	· · · · · · · · · · · · · · · · · · ·	
Lab Code	: <u>RECNY</u> Case N	o.: SAS No.:	SDG No.:	· · · · · · · · · · · · · · · · · · ·
Matrix:	(soil/water) <u>SOIL</u>		Lab Sample ID:	A5C23411
Sample w	t/vol: <u>5.</u>	<u>04</u> (g/mL) <u>G</u>	Lab File ID:	08743.RR
Level:	(low/med) <u>LOW</u>		Date Samp/Recv	: <u>10/27/2005</u> <u>10/28/2005</u>
% Moistu	re: not dec4	3 Heated Purge: Y	Date Analyzed:	11/06/2005
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Facto	r: <u>1.00</u>
Soil Ext	ract Volume:	(uL)	Soil Aliquot V	olume: (uL)
•	CAS NO. CO	MPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	
	156-60-5tro 75-71-8Tro 75-69-4Mei 79-20-9Mei 1634-04-4	ans-1,2-Dichloroethene chlorodifluoromethane ichlorofluoromethane thyl acetate thyl-t-Butyl Ether (MIBE) clohexane thylcyclohexane	(ug/L or ug/Kg)	UG/KG Q  17 U 3 J 17 U 17 U 17 U 17 U 17 U 17 U 17 U 17 U
	156-60-5tro 75-71-8Tr 75-69-4Tr 79-20-9Me 1634-04-4Me 110-82-7Cy 108-87-2Me 106-93-41,2 98-82-81,3 106-46-71,2	ans-1,2-Dichloroethene chlorodifluoromethane ichlorofluoromethane thyl acetate thyl-t-Butyl Ether (MIBE) clohexane thylcyclohexane 2-Dibromoethane	(ug/L or ug/Kg)	UG/KG Q  17 U 3 J 17 U 17 U 17 U 17 U 17 U 17 U

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

58/1622

	TP-55
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: A5C23411
Sample wt/vol: $5.04$ (g/mL) $G$	Lab File ID: <u>Q8743.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/27/2005 10/28/2005
% Moisture: not dec. 42.9	Date Analyzed: <u>11/06/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: 2	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>

Ø	AS NO.	Compound Name	RT	Est.	Conc.	Q
	0-54-3 1-05-9	HEXANE HEXAMETHYLCYCLOTRISILOXANE	4.02 7.36		12	NU NU

### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

		TP-58
Lab Name: SIL Buffalo Contract:		· · · · · · · · · · · · · · · · · · ·
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Iab Sample ID:	A5C23412
Sample wt/vol: $5.12$ (g/mL) $G$	Lab File ID:	<u>08744.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: not dec. <u>12</u> Heated Purge: Y	Date Analyzed:	11/06/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
	•	

		CONCENTRATION UNITS:		
CAS NO.		(ug/L or ug/Kg)	UG/KG	Q.
74-87-3	Chloromethane		11	U
1	Bromomethane		11	Ū
	Vinyl chloride	····	1.1	Ū
	Chloroethane		11	Ū
	Methylene chloride	<del> </del>	- 11	U
67-64-1			14	
	Carbon Disulfide		11	lυ
1	1,1-Dichloroethene		11	U.
	1,1-Dichloroethane		11	U
1	Chloroform		11	U
	1,2-Dichloroethane		11	ט
	2-Butanone		11	ู่เบ
	1,1,1-Trichloroethane		11	U
	Carbon Tetrachloride	·	11	ט
	Bromodichloromethane		11	U
	1,2-Dichloropropane		11	U
	cis-1,3-Dichloropropene	*	11	υ
	Trichloroethene		11	U
124-48-1	Dibromochloromethane		11	U.
79-00-5	1,1,2-Trichloroethane		11	<b>U</b> .
71-43-2			11	U
•	trans-1,3-Dichloropropene		11	ַ ע
75-25-2	· · · · · · · · · · · · · · · · · · ·		11	ប
108-10-1	4-Methyl-2-pentanone	-	11	U
	2-Hexanone		11	U
1	Tetrachloroethene		11	U
108-88-3			- 11	U
79-34-5	1,1,2,2-Tetrachloroethane		11	U
	Chlorobenzene		11	ש
100-41-4	Ethylbenzene		11	U
100-42-5			11	U
	Total Xylenes		11	U
	1,1,2-Trichloro-1,2,2-trifluoro	ethane	11	U
156-59-2	cis-1,2-Dichloroethene		11	U

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Mama	o cor poffolo	α.			ŗ	TP-58		
Lau Nait	: Sin parraro	Cc	ontract:		<u></u>			
Lab Code	e: <u>RECNY</u> Ca	se No.:	SAS No.:	_ SDG No.:				
Matrix:	(soil/water)	SOIL		Lab Sample	e ID: A	5C23412		
Sample w	rt/vol:	5.12 (g/mL) <u>G</u>		Lab File :	D: Q	8744.RR	· ·	
Level:	(low/med)	LOW		Date Samp,	/Recv: <u>1</u> (	0/27/200	<u>5 10/2</u>	<u>:8/2005</u>
% Moistu	re: not dec.	12 Heated I	urge: Y	Date Analy	/zed: <u>1</u>	1/06/200	5	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)		Dilution 1	Factor: _	1.00		
Soil Ext	ract Volume:	(uL)		Soil Aliq	ot Volum	a:	(ı	ıL)
	CAS NO.	COMPOUND		CONCENIRATION (ug/L or ug/I			Q	
	75-71-8 75-69-4	trans-1,2-Dich Dichlorodifluc Trichlorofluor Methyl acetate	romethane omethane		1: 1: 1:	1 1	ת ת	· · · ·
	1634-04-4	Methyl-t-Butyl	Ethor /MTOET				U ·	
	110-82-7	Cyclohexane			1.	1	U	!
	110-82-7 108-87-2 106-93-4	Cyclohexane Methylcyclohex 1,2-Dibromoeth	ane ane		1: 1: 1:	1. 1.   1	บ บ บ	
	110-82-7 108-87-2 106-93-4 98-82-8	Cyclohexane Methylcyclohex 1,2-Dibromoeth Isopropylbenze	ane ane ne		1: 1:	1 1 1 1	U U	
	110-82-7 108-87-2 106-93-4 98-82-8 541-73-1	Cyclohexane Methylcyclohex 1,2-Dibromoeth	ane ane ne nzene		13 13 13 13	1   1   1   1   1   1   1   1   1   1	บ บ บ	
	110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1	Cyclohexane Methylcyclohex 1,2-Dibromoeth Isopropylbenze 1,3-Dichlorobe 1,4-Dichlorobe	ane ane ne nzene nzene nzene		10 10 10 10 10 11	1. 1	บ บ บ บ บ	
	110-82-7 108-87-2 106-93-4 98-82-8 541-73-1 106-46-7 95-50-1 96-12-8	Cyclohexane Methylcyclohex 1,2-Dibromoeth Isopropylbenze 1,3-Dichlorobe 1,4-Dichlorobe	ane ane ne nzene nzene nzene nzene		13 13 13 13 13	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	n n n	

#### DELTA - SOIL ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

61/1622

				TP-5	88	
Lab Name	: STL Buffalo	Contract:	<del></del>	<del>}</del>		<del></del>
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) <u>SOIL</u>		Lab Sampi	le ID: <u>A50</u>	23412	
Sample w	t/vol: <u>5.1</u> 2	2 (g/mL) <u>G</u>	Lab File	ID: <u>087</u>	44.RR	
Level:	(low/med) <u>LOW</u>		Date San	p/Recv: <u>10/</u>	<u>/27/2005</u>	10/28/2005
% Moistu	re: not dec. <u>11.6</u>		Date Anal	lyzed: <u>11</u> /	<u> 06/2005</u>	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.00	
Soil Ext	ract Volume:	(uL)	Soil Alio	quot Volume:		(uL)
Number T	ICs found: <u>1</u>		CONCENTRAT (ug/L or t	ION UNITS: ug/Kg) <u>UC</u>	E/KG	
	CAS NO.	Compound Name	RT	Est. Conc	2. Q	

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	·	TP-38
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C23403
Sample wt/vol: 30.35 (g/mL) G	Lab File ID:	V12359.RR
Level: (low/med) <u>IOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>20</u> decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.8		•

		CONCENIRATION UNI	rs:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
	Benzaldehyde		400	U
108-95-2			400	ט
111-44-4	Bis(2-chloroethyl) ether		400	ן די
95-57-8	2-Chlorophenol	,	400	ט
95-48-7	2-Methylphenol		400	ט
108-60-1	2,2'-Oxybis(1-Chloropropane)		400	lυ
98-86-2	Acetophenone		400	ĺΰ
106-44-5	4-Methylphenol		400	ַט
621-64-7	N-Nitroso-Di-n-propylamine		400	ַטו
67-72-1	Hexachloroethane		400	ַט
	Nitrobenzene		400	U
	Isophorone		400	ט
88-75-5	2-Nitrophenol	,	400	Ū
105-67-9	2,4-Dimethylphenol	-	400	ט
111-91-1	Bis(2-chloroethoxy) methane		400	ָ 'U
120-83-2	2,4-Dichlorophenol		400	שו
	Naphthalene		86	J
106-47-8	4-Chloroaniline		400	ַ ען
87-68-3	Hexachlorobutadiene		400	: บ
105-60-2	Caprolactam		400	υ
59-50-7	4-Chloro-3-methylphenol		400	υ
91-57-6	2-Methylnaphthalene		76	J
77-47-4	Hexachlorocyclopentadiene		400	U
88-06-2	2,4,6-Trichlorophenol		400	U
95-95-4	2,4,5-Trichlorophenol		400	U
92-52-4	Biphenyl		400	Ū
91-58-7	2-Chloronaphthalene		400	Ū
	2-Nitroaniline	-	980	U
131-11-3	Dimethyl phthalate		400	Ū
208-96-8	Acenaphthylene		12	J
606-20-2	2,6-Dinitrotoluene		400	U
99-09-2	3-Nitroaniline		980	U

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

				TP-38
Lab Name: STL Buffal	<u>.o</u>	Contract:	<u> </u>	
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23403
Sample wt/vol:	_30.35 (g/mL)	<u>G</u>	Lab File ID:	<u>V12359.RR</u>
Level: (low/med)	LOW		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>20</u>	decanted: (Y/	/N) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract	: Volume: <u>1000</u> (ı	ıL)	Date Analyzed:	11/11/2005
Injection Volume:	2.00 (uL)	• .	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.8

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q.
	Acenaphthene		14	J
	2,4-Dinitrophenol		980	ū
	4-Nitrophenol		980	U
	Dibenzofuran		19	J ·
	2,4-Dinitrotoluene		400	U
	Diethyl phthalate		400	U
7005-72-3	4-Chlorophenyl phenyl ether		400	U
86-73-7			35	J
	4-Nitroaniline		980	U
	4,6-Dinitro-2-methylphenol_		980	U
	N-nitrosodiphenylamine		400	U
101-55-3	4-Bromophenyl phenyl ether		400	U
•	Hexachlorobenzene		400	U
1912-24-9		•	400	ַע
	Pentachlorophenol		980	U
85-01-8	Phenanthrene		200	J
	Anthracene		26	J
86-74-8			400	ប
84-74-2	Di-n-butyl phthalate		36	J
	Fluoranthene		120	J
129-00-0			110	J
	Butyl benzyl phthalate		400	<b>U</b>
91-94-1	3,3'-Dichlorobenzidine		400	U
56-55-3	Benzo (a) anthracene		45	J
218-01-9	Chrysene		64	J
117-81-7	Bis(2-ethylhexyl) phthalate	· ·	1400	В
	Di-n-octyl phthalate		400	שׁ
205-99-2	Benzo (b) fluoranthene		58	J
207-08-9	Benzo(k)fluoranthene		21	J .
50-32-8	Benzo (a) pyrene		35	J
193-39-5	Indeno (1, 2, 3-cd) pyrene		26	J
53-70-3	Dibenzo (a, h) anthracene		400	U
				l

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

_ • _ · · · · · · · · · · · · · · · · ·		TP-38
Lab Name: STL Buffalo Contract:	•	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL	Lab Sample ID:	A5C23403
Sample wt/vol: $30.35$ (g/mL) $G$	Lab File ID:	V12359.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>20</u> decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.8		•
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) [	JG/KG Q
191-24-2Benzo(ghi)perylene		33 J

# ASP 2000- METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-38	
E	

 Lab Name:
 STL Buffalo
 Contract:

Lab Code: RECNY Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: A5C23403

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V12359.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>

% Moisture: 19.6 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENIRATION UNITS:

Number TICs found: 15 (ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	6.44	110	J
2. 90-12-0	1-MEIHYLNAPHIHALENE	9.76	150	JN
3.	UNKNOWN HYDROCARBON	10.85	160	J
4. 13798-23-7	SULFUR	11.52	94	NU.
5.	UNKNOWN HYDROCARBON	12.58	280	J
6.	UNKNOWN	12.72	93	J
7. 779-02-2	UNKNOWN PAH DER.	13.75	. 130	JN
. 8.	UNKNOWN PAH DER.	13.78	230	J
9.	UNKNOWN	14.32	550	J
10. 6566-19-4	10,18-BISNORABIETA-5,7,9(10)	14.54	170	JN
11.	UNKNOWN PAH DER.	14.98	120	J
12.	UNKNOWN PAH DER.	17.62	920	J
13.	UNKNOWN PAH DER.	17.94	610	J
14.	UNKNOWN PAH DER.	18.35	240	J
15. 83-46-5	.BEIA.SITOSTEROL	18.58	320	JN

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:		TP-40
Lab Malie: SIN BULIARO CONCIACE:	· · · · · · · · · · · · · · · · · · ·	
Lab Code: RECNY Case No.: SAS No.	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23401
Sample wt/vol: $30.48$ (g/mL) G	Lab File ID:	V12353.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>28</u> decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/09/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	10.00
GPC Cleanup: (Y/N) N pH: _7.8		

		CONCENTRATION UNI		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	· Q
	Benzaldehyde		4500	U:
108-95-2			4500	Ū
111-44-4	Bis(2-chloroethyl) ether		4500	U
	2-Chlorophenol		4500	U
	2-Methylphenol		4500	U
	2,2'-Oxybis(1-Chloroprop	ane)	4500	U
98-86-2	Acetophenone		4500	U
	4-Methylphenol		4500	U
	N-Nitroso-Di-n-propylami	ne	4500	U
	Hexachloroethane		4500	U
	Nitrobenzene		4500	<u>ប</u> .
	Isophorone		4500	U
	2-Nitrophenol		4500	ប
	2,4-Dimethylphenol		4500	U
	Bis(2-chloroethoxy) meth	ane	4500	U
	2,4-Dichlorophenol		4500	U
	Naphthalene		320	J
	4-Chloroaniline		4500	U
	Hexachlorobutadiene		4500	U
	Caprolactam	-	4500	U
	4-Chloro-3-methylphenol	-	4500	U
	2-Methylnaphthalene		230	J
77-47-4	Hexachlorocyclopentadiene	9	4500	U
	2,4,6-Trichlorophenol		4500	U
	2,4,5-Trichlorophenol		4500	U
92-52-4			4500	U
	2-Chloronaphthalene		4500	U
	2-Nitroaniline		11000	U
131-11-3	Dimethyl phthalate		4500	U
	Acenaphthylene		570	J
	2,6-Dinitrotoluene		4500	U
99-09-2	3-Nitroaniline		11000	U

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

				TP-40
Lab Name: STL Buffal	<u>o</u> 0	ontract:	<del></del> .	
Lab Code: <u>RECIVY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23401
Sample wt/vol:	30.48 (g/mL) <u>G</u>		Lab File ID:	V12353.RR
Level: (low/med)	TOM		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>28</u>	decanted: (Y/N	) Й	Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (uL	) :	Date Analyzed:	11/09/2005
Injection Volume:	2.00 (uL)	•	Dilution Factor:	10.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRA	TION ONT.	rp:
(ug/L or	ug/Kg)	<u>UG/KG</u>

CAS NO.	COMPOUND	(ug/L or ug/Kg)	) <u>UG/KG</u>	Q
83-32-9	Acenaphthene		190	J
51-28-5	2,4-Dinitrophenol		11000	U
100-02-7	4-Nitrophenol		11000	Ü
132-64-9	Dibenzofuran		160	J
121-14-2	2,4-Dinitrotoluene		4500	U
84-66-2	Diethyl phthalate		4500	U
7005-72-3	4-Chlorophenyl phenyl ether		4500	שׁ
86-73-7		· .	460	J
100-01-6	4-Nitroaniline		11000	שׁ
534-52-1	4,6-Dinitro-2-methylphenol		11000	שׁ
	N-nitrosodiphenylamine		4500	U
101-55-3	4-Bromophenyl phenyl ether		4500	ប
118-74-1	Hexachlorobenzene		4500	U
1912-24-9	Atrazine		4500	U
87-86-5	Pentachlorophenol		11000	U
85-01-8	Phenanthrene		3600	J
120-12-7	Anthracene	,	860	J
86-74-8	Carbazole		250	J
84-74-2	Di-n-butyl phthalate	-	4500	U
206-44-0	Fluoranthène		4400	J
129-00-0	Pyrene		4000	J .
85-68-7	Butyl benzyl phthalate		4500	U
	3,3'-Dichlorobenzidine		4500	U,
56-55-3	Benzo (a) anthracene		2200	J
218-01-9			2200	J.
	Bis(2-ethylhexyl) phthalate		2500	BJ()
117-84-0	Di-n-octyl phthalate		4500	U
	Benzo (b) fluoranthene		2400	J.
207-08-9	Benzo(k)fluoranthene		680	J
50-32-8	Benzo (a) pyrene		2000	J
	Indeno (1,2,3-cd) pyrene	-	1200	J
53-70-3	Dibenzo(a,h)anthracene		370	J
				l

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

					TP-40
Lab Name:	: STL Buffa	alo Co	ontract:	<del></del>	,
Lab Code:	RECNY	Case No.:	SAS No.:	SDG No.:	- -
Matrix:	(soil/wate:	r) <u>soil</u>		Lab Sample ID:	A5C23401
Sample wt	:/vol:	_30.48 (g/mL) <u>G</u>	·	Lab File ID:	V12353.RR
Level:	(low/med)	LOW		Date Samp/Recv:	10/26/2005 10/28/2005
% Moistur	ce: <u>28</u>	decanted: (Y/N)	N	Date Extracted:	10/30/2005
Concentra	ated Extra	ct Volume: 1000 (uL)		Date Analyzed:	11/09/2005
Injection	n Volume:	2.00 (uL)		Dilution Factor	:10.00
GPC Clear	nup: (Y/N)	N pH: 7.8			
	CAS NO.	COMPOUND	,	CONCENTRATION UNITS (ug/L or ug/Kg)	•
	191-24-2	Benzo(ghi)pery	vlene		1500 J

# ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

17TD4A		
112-40		
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1 .		

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23401

Sample wt/vol: 30.48 (g/mL) G Lab File ID: V12353.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>

% Moisture: 27.6 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.8

CONCENTRATION UNITS:

Number TICs found: 7 (ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	13.76	1100	J
2.	UNKNOWN PAH DER.	13.79	1300	J
3.	UNKNOWN PAH DER.	13.88	1700	J
4.	UNKNOWN PAH DER.	14.34	1500	J
5.	UNKNOWN PAH DER.	17.64	1300	J
6.	UNKNOWN PAH DER.	17.96	1300	J
7. 83-46-5	.BETASITOSTEROL	18.61	1200	JN

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

			4	TP-42
Lab Name: STL Buffal	<u>o</u>	Contract:	<del></del>	
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23402
Sample wt/vol:	30.17 (g/mL)	) <u>G</u>	Lab File ID:	V12354.RR
Level: (low/med)	TOM		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>52</u>	decanted: ()	Υ/и) Й	Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000	(uL)	Date Analyzed:	11/09/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	5.00
		•		

GPC Cleanup: (Y/N) N pH: 6.4

		CONCENIRATION UNITS:		
CAS NO. COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	. (	<u> </u>
100-52-7Benzaldehyde	-	3400	υ	
108-95-2Phenol_	-	3400	U	
111-44-4Bis(2-chloroethyl)	ether	3400	U	
95-57-82-Chlorophenol		3400	U	
95-48-72-Methylphenol		3400	שׁ	
108-60-12,2'-Oxybis(1-Chlor	opropane)	3400	U	
98-86-2Acetophenone		3400	U	
106-44-54-Methylphenol		3400	U	
621-64-7N-Nitroso-Di-n-prop	ylamine	3400	U	
67-72-1Hexachloroethane		3400	U	
98-95-3Nitrobenzene		3400	U	
78-59-1Isophorone		3400	U	
88-75-52-Nitrophenol		3400	U	
105-67-92,4-Dimethylphenol		3400	U	
111-91-1Bis(2-chloroethoxy)	methane	3400	U	
120-83-22,4-Dichlorophenol_		3400	U	
91-20-3Naphthalene		3400	U	
106-47-84-Chloroaniline		3400	υ.	
87-68-3Hexachlorobutadiene		3400	U	1.1
105-60-2Caprolactam		3400	U	
59-50-74-Chloro-3-methylph	enol	3400	U	
91-57-62-Methylnaphthalene		3400	U	
77-47-4Hexachlorocyclopenta	adiene	3400	U	
88-06-22,4,6-Trichlorophen	ol	3400	U	-
95-95-42,4,5-Trichloropheno	ol	3400	U .	
92-52-4Biphenyl		3400	U	
91-58-72-Chloronaphthalene		3400	U	
88-74-42-Nitroaniline		8300	U	
131-11-3Dimethyl phthalate		3400	U	
208-96-8Acenaphthylene		200	J	
606-20-22,6-Dinitrotoluene		3400	U	
99-09-23-Nitroaniline		8300	U	,

				TP-42
Lab Name: STL Buffal	o Contra	act:	<del></del>	. ]
Lab Code: <u>RECNY</u> C	ase No.: SAS	: No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23402
Sample wt/vol:	30.17 (g/mL) G		Lab File ID:	V12354.RR
Level: (low/med)	LOW		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture:52	decanted: (Y/N) N		Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (uL)	:	Date Analyzed:	11/09/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	5.00
CDC Cloomme /V/M) I	J 70. C 4		•	

CP C NO CON		CONCENTRATION U		
CAS NO. CON	MPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q
83-32-9Ace	enaphthene		3400	U
51-28-52,4			8300	ש
100-02-74-1	Nitrophenol		8300	lυ
132-64-9Dik			3400	U
121-14-22,4	4-Dinitrotoluene		3400	ָ <mark>'</mark>
84-66-2Die			3400	U
	hlorophenyl phenyl ether		3400	טן
86-73-7Flu			170	J
100-01-64-N	Vitroaniline		8300	U
534-52-14,6	5-Dinitro-2-methylphenol		8300	υ
	nitrosodiphenylamine		3400	U .
	Bromophenyl phenyl ether		3400	U
118-74-1Hex		*	3400	U
1912-24-9Atı	azine		3400	U
87-86-5Per	ntachlorophenol		8300	U
85-01-8Phe	enanthrene	-	1300	J
120-12-7Ant	hracene		370	J
86-74-8Car	bazole		130	J
84-74-2Di-	n-butyl phthalate		3400	U
206-44-0Flu	oranthene		1900	J
129-00-0Pyr	rene		1500	J
85-68-7- <b>-</b> But	yl benzyl phthalate		3400	U
	'-Dichlorobenzidine		3400	U
56-55-3Ben	zo (a) anthracene		870	J
218-01-9Chr			900	J
117-81-7Bis	(2-ethylhexyl) phthalate		290	BJÜ
117-84-0Di-	n-octyl phthalate	-	3400	U
205-99-2Ben	zo (b) fluoranthene		1200	J
207-08-9Ben	zo(k)fluoranthene		- 300	J
50-32-8Ben			860	J
	eno(1,2,3-cd)pyrene		550	J
	enzo (a, h) anthracene		160	J

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

e 1 th	TP-42
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: A5C23402
Sample wt/vol: $30.17$ (g/mL) $G$	Lab File ID: <u>V12354.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>
% Moisture: <u>52</u> decanted: (Y/N) N	Date Extracted: <u>10/30/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/09/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 5.00
GPC Cleanup: (Y/N) N pH: 6.4	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	700 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

l	l l
TP-42	i
TT 17	
	i i

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23402

Level: (low/med) LOW Date Samp/Recv: 10/26/2005 10/28/2005

% Moisture: 51.9 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

2. 2136-71-2		_ ·.			
2. 2136-71-2	CAS NO.	Compound Name	RT	Est. Conc.	Q
1 0. 03 10 3   :BEHI: DITOSIMON	2. 2136-71-2 3. 1599-67-3 4. 5. 10191-41-0 6. 83-46-5 7. 8.	SULFUR 2-(HEXADECYLOXY)-ETHANOL 1-DOCOSENE UNKNOWN PAH DER VITAMIN E .BETASITOSTEROL UNKNOWN UNKNOWN	15.71 16.26 16.84 17.66 18.60 18.67 19.00	1700 3900 760 970 1100 2200 1200	JN JN J
12.22   12.22	! ·				JN

		TP-44
Lab Name: STL Buffalo Contract:	<del></del>	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23407
Sample wt/vol: $30.43$ (g/mL) G	Lab File ID:	V12362.RR
Level: (low/med) <u>IOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: 65 decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.3		

	CONCENTRATION UNI			
CAS NO. COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q	
100-52-7Benzaldehyde		200	J	$\neg$
108-95-2Phenol		940	U	
111-44-4Bis(2-chloroethyl)	ether	940	U	ľ
95-57-82-Chlorophenol		940	U	İ
95-48-72-Methylphenol		940	U	
108-60-12,2'-Oxybis(1-Chlore	opropane)	940	U	
98-86-2Acetophenone		940	U	-
106-44-54-Methylphenol		940	U	1
621-64-7N-Nitroso-Di-n-propy	/lamine	940	U	1
67-72-1Hexachloroethane		940	U	ı
98-95-3Nitrobenzene		940	U	
78-59-1Isophorone		940	U -	-
88-75-52-Nitrophenol		940	ប	
105-67-92,4-Dimethylphenol_		940	U	-
111-91-1Bis(2-chloroethoxy)	methane	940	U	
120-83-22,4-Dichlorophenol_		940	U	
91-20-3Naphthalene		940	U	
106-47-84-Chloroaniline		940	U	-
87-68-3Hexachlorobutadiene		940	U	
105-60-2Caprolactam		940	U	1
59-50-74-Chloro-3-methylphe	nol	940	U	
91-57-62-Methylnaphthalene		940	U	
77-47-4Hexachlorocyclopenta		940	U	
88-06-22,4,6-Trichloropheno		940	U	Ì
95-95-42,4,5-Trichloropheno		940	U	ı
92-52-4Biphenyl		940	U	-
91-58-72-Chloronaphthalene		940	U	-
88-74-42-Nitroaniline		2300	U	-
131-11-3Dimethyl phthalate		940	ប	
208-96-8Acenaphthylene		940 .	U	1
606-20-22,6-Dinitrotoluene		940	U	
99-09-23-Nitroaniline		2300	ប	

Client No.

				TP-44
Lab Name: STL Buffal	<u>o</u> (	Contract:		
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Iab Sample ID:	A5C23407
Sample wt/vol:	30.43 (g/mL) G	<del>-</del>	Lab File ID:	V12362.RR
Level: (low/med)	TOM	·	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>65</u>	decanted: (Y/N	ı) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (uI	رد (د	Date Analyzed:	11/11/2005
Injection Volume:	2.00(UL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{6.3}$ 

		CONCENTRATION UNI	TS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene		940	Ū
51-28-5	2,4-Dinitrophenol		2300	U
	4-Nitrophenol		2300	<b>ט</b>
132-64-9	Dibenzofuran		940	U
121-14-2	2,4-Dinitrotoluene		940	U
	Diethyl phthalate		940	U
7005-72-3	4-Chlorophenyl phenyl ether		940	U
86-73-7	Fluorene		940	ע
100-01-6	4-Nitroaniline		2300	U .
534-52-1	4,6-Dinitro-2-methylphenol		2300	ע
86-30-6	N-nitrosodiphenylamine		940	ט
101-55-3	4-Bromophenyl phenyl ether		940	U
118-74-1	Hexachlorobenzene		940	ט
1912-24-9	Atrazine		940	U
87-86-5	Pentachlorophenol		2300	υ.
85-01-8	Phenanthrene	-	63	J
120-12-7	Anthracene		940	ט
86-74-8			940	บ
84-74-2	Di-n-butyl phthalate		940	ע
206-44-0	Fluoranthene	•	130	J
129-00-0	Pyrene		96	J
85-68-7	Butyl benzyl phthalate		940	U
91-94-1	3,31-Dichlorobenzidine		940	ע
	Benzo (a) anthracene		64	J
218-01-9	Chrysene		65	J
	Bis(2-ethylhexyl) phthalate		100	BJし
117-84-0	Di-n-octyl phthalate		940	ַ ט
	Benzo (b) fluoranthene		120	J
	Benzo(k) fluoranthene		110	J
50-32-8	Benzo (a) pyrene		66	J
	Indeno (1, 2, 3-cd) pyrene		41	J
	Dibenzo(a,h)anthracene	<u> </u>	940	ט
			4	1

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

•						TP-44		
Lab Name	: SIL Buffalo	Con	tract:	•		<u> </u>	•	
Lab Code	: <u>RECNY</u> Case N	lo.:	SAS No.:	_ SDG No.:	<del></del>			•
Matrix:	(soil/water) <u>SOI</u>	, ,		Lab Sample	E ID: 7	A5C23407	<del>.</del>	
Sample wt	=/vol: <u>30.</u>	43 (g/mL) <u>G</u>		Lab File I	D: J	V12362.RR	•	
Level:	(low/med) <u>LOW</u>		•	Date Samp/	'Recv: 1	10/26/200	<u>5</u> 10/2	<u> 28/2005</u>
% Moistur	re: <u>65</u> deca	nted: (Y/N)	Й	Date Extra	cted: 1	10/30/200	<u>5</u>	
Concentra	eted Extract Volu	me: <u>1000</u> (uL)		Date Analy	zed: 1	11/11/200	<u>5</u>	
Injection	n Volume: 2.00	(uL)		Dilution F	actor: _	1.00		
GPC Clear	nup: (Y/N) N p	H: <u>6.3</u>				•	•.	•
	CAS NO. CO	MPOUND		CONCENIRATION (ug/L or ug/K		G/KG	Q	
	191-24-2Be	nzo(ghi)peryle	ene		4	17	J	·

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-44	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23407

Sample wt/vol: 30.43 (g/mL) G Lab File ID: V12362.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>

% Moisture: 65.4 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.3

Number TICs found: 23 (ug/L or ug/Kg) <u>UG/KG</u>

		•	<u> </u>	
CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 502-69-2	2-PENTADECANONE, 6, 10, 14-TRIM	13.33	530	JN
2. 57-10-3	N-HEXADECANOIC ACID	13.86	590	JN
3. 96168-15-9	4,8,12,16-TETRAMETHYLHEPTADE	15.29	520	JN
4.	UNKNOWN	15.59	420	J
5. 18435-45-5	1-NONADECENE	15.69	4400	JN
6. 557-59-5	TETRACOSANOIC ACID	16.43	310	JN
7. 7616-22-0	.GAMMATOCOPHEROL	17.35	340	JN
8.	UNKNOWN ALCOHOL	17.47	570	J
9.	UNKNOWN	17.52	360	J
10. 59-02-9	VITAMINE E	17.64	830	JN
11. 2599-01-1	TETRADECANOIC ACID, HEXADECYL	17.68	320	JN
12. 27409-41-2	CHOLESTAN-3-OL	17.80	360	JN
13 83-48-7	STIGMASIEROL	18.29	310	JN
14.	UNKNOWN	18.35	340	J
15. 83 <b>-</b> 46-5	.BETA.SITOSTEROL	18.58	1100	JN
16. 19466-47-8	STIGMASTANOL	18.65	2200	JN
17.	UNKNOWN	18.85	690	J
18. 1617-70-5	LUP-20 (29) -EN-3-ONE	18.97	1300	JN
19. 2034-72-2	STIGMASTA-3,5-DIEN-7-ONE	19.07	770	JN
20. 1058-61-3	STIGMAST-4-EN-3-ONE	19,28	560	JN
21.	UNKNOWN	19.68	430	J
22	UNKNOWN	19.89	1600	J
23. 559-74-0	FREIDELAN-3-CNE	20.01	3300	JN

Client No.

Tab Mana COT TAFFA	_	7	•	TP-45
Lab Name: STL Buffal	<u>o</u>	Contract:	·	
Iab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23405
Sample wt/vol:	_30.16 (g/mL) (	3_	Lab File ID:	V12360.RR
Level: (low/med)	<u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture:54	decanted: (Y/I	и) <u>й</u>	Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (ul	L)	Date Analyzed:	11/11/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00
•				

GPC Cleanup: (Y/N) N pH: 6.5

	· ·	CONCENIRATION UNITS:					
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q			
	Benzaldehyde		720	บ			
108-95-2			720	υ			
111-44-4	Bis(2-chloroethyl) ether	***	720	ש יי ש			
	2-Chlorophenol		720	ע			
	2-Methylphenol		720	ט			
108-60-1	2,2'-Oxybis(1-Chloropropane)		720	U			
98-86-2	Acetophenone		720	U			
106-44-5	4-Methylphenol		39	្ស			
621-64-7	N-Nitroso-Di-n-propylamine		720	ע			
67-72-1	Hexachloroethane		720	ប			
98-95-3	Nitrobenzene		720	ט			
78-59-1	Isophorone		720	ប			
	2-Nitrophenol	-	720	U			
105-67-9	2,4-Dimethylphenol		720	ן ט			
111-91-1	Bis(2-chloroethoxy) methane		720	U			
	2,4-Dichlorophenol		720	ט			
91-20-3	Naphthalene		720	יט ו			
106-47-8	4-Chloroaniline		720	ט			
87-68-3	Hexachlorobutadiene		720	ן ט			
	Caprolactam		720	ט [			
59-50-7	4-Chloro-3-methylphenol		720	U -			
91-57-6	2-Methylnaphthalene		720	ן ט			
77-47-4	Hexachlorocyclopentadiene		720	ן ח			
	2,4,6-Trichlorophenol		720	υ			
	2,4,5-Trichlorophenol		720	ט			
92-52-4		,	720	ט			
	2-Chloronaphthalene		720	ָ <sub>ט</sub>			
	2-Nitroaniline		1700	Ū			
	Dimethyl phthalate		720	Ū			
	Acenaphthylene		94	J			
	2,6-Dinitrotoluene		720	U			
	3-Nitroaniline		1700	U			
<b></b>			_,				

			TP-45
Lab Name: <u>STL Buffalo</u>	Contract:		· · · · · · · · · · · · · · · · · · ·
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23405
Sample wt/vol: $30.16$ (g/mL)	<u>G</u>	Lab File ID:	<u>V12360.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>54</u> decanted: (Y/	n) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000(u	L)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.5			

	·	CONCENTRATION UN		÷ .
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	· Q
	Acenaphthene		720	ប
51-28-5	2,4-Dinitrophenol		1700	U
100-02-7	4-Nitrophenol		1700	ן די די
132-64-9	Dibenzofuran		720	U
121-14-2	2,4-Dinitrotoluene		720	U
84-66-2	Diethyl phthalate	•	720	ט
7005-72-3	4-Chlorophenyl phenyl ether		720	ע
86-73-7	Fluorene	•	29	J
100-01-6	4-Nitroaniline		1700	ט
534-52-1	4,6-Dinitro-2-methylphenol		1700	U
	N-nitrosodiphenylamine	,	720	U
101-55-3	4-Bromophenyl phenyl ether		720	<b>ט</b>
	Hexachlorobenzene		720	U
1912-24-9	Atrazine		720	U
87-86-5	Pentachlorophenol		1700	U.
85-01-8	Phenanthrene		300	J
120-12-7	Anthracene		76	J
86-74-8	Carbazole		40	J
84-74-2	Di-n-butyl phthalate		720	U
206-44-0	Fluoranthene		580	J
129-00-0	Pyrene	<u>-</u>	490	J
85-68-7	Butyl benzyl phthalate		720	U
91-94-1	3,3 <sup>1</sup> -Dichlorobenzidine		720	U
56-55-3	Benzo (a) anthracene		290	J
218-01-9	Chrysene		310	J
117-81-7	Bis(2-ethylhexyl) phthalate		79	BJU
117-84-0	Di-n-octyl phthalate		720	υ
	Benzo (b) fluoranthene		440	J
	-Benzo(k)fluoranthene		120	J
50-32-8	-Benzo (a) pyrene		320	J
	-Indeno (1,2,3-cd) pyrene		230	J
	-Dibenzo (a, h) anthracene		67	J

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	TP-45
me name. <u>Din barraro</u> Concrace.	
Lab Code: RECNY Case No.: SAS No	.: SDG No.:
Matrix: (soil/water) SOIL	Lab Sample ID: A5C23405
Sample wt/vol: $30.16$ (g/mL) G	Lab File ID: <u>V12360.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>
% Moisture: <u>54</u> decanted: (Y/N) N	Date Extracted: <u>10/30/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/11/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.5	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo(ghi)perylene_	260 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-45		
1		

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23405

Sample wt/vol: 30.16 (g/mL) G Lab File ID: V12360.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>

% Moisture: 54.4 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

Number TICs found: 12 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 5. 1599-67-3 6. 7. 83-47-6 8. 6538-02-9 9. 10. 1058-61-3 11. 12. 559-74-0	UNKNOWN HYDROCARBON UNKNOWN HYDROCARBON UNKNOWN PAH DER. 1-DOCOSENE UNKNOWN HYDROCARBON .GAMMA.SITOSTEROL ERGOSTANOL UNKNOWN STIGMAST-4-EN-3-ONE UNKNOWN FRIEDELAN-3-ONE	12.72 13.33 13.65 13.86 15.69 16.82 18.57 18.65 18.84 19.28 19.88 20.00	150 180 180 250 890 330 330 380 240 280 370 1100	J J J J J J J J J J J J J J J J J J J

Lab Name: SIL Buffalo	Contract:		TP-45-1
Lab Code: RECNY Case No.:	<del>-</del>	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23406
Sample wt/vol: $30.61$ (g/mL)	<u>G</u>	Lab File ID:	V12361.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>52</u> decanted: (Y	(/N) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000(	uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (wL)		Dilution Factor:	<u>5.00</u>
GPC Cleanup: (Y/N) N pH: 6.3	•		

•	·	CONCENTRATTON UN	mato.		
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Ç	2
100-52-7	Benzaldehyde		3400	U	
108-95-2			3400	U	
111-44-4	Bis(2-chloroethyl) ether		3400	Ū	1
95-57-8	2-Chlorophenol		3400	U	
95-48-7	2-Methylphenol		3400	טן	
108-60-1	2,2'-Oxybis(1-Chloropropane)	)	3400	ט	
98-86-2	Acetophenone		3400	ប	
106-44-5	4-Methylphenol		3400	U	
621-64-7	N-Nitroso-Di-n-propylamine	* " " " " " " " " " " " " " " " " " " "	3400	U	
67-72-1	Hexachloroethane	,	3400	[ט	
	Nitrobenzene		3400	U	
78-59-1	Isophorone		3400	U	٠.
	2-Nitrophenol		3400	U	
105-67-9	2,4-Dimethylphenol		3400	Ū	
111-91-1	Bis(2-chloroethoxy) methane		3400	U	
120-83-2	2,4-Dichlorophenol		3400	U	
	Naphthalene		3400	U	
	4-Chloroaniline		3400	U	
87-68-3	Hexachlorobutadiene		3400	ט	
	Caprolactam	· · ·	3400	ט	
59-50-7 <b>-</b>	4-Chloro-3-methylphenol		3400	U	
91-57-6	2-Methylnaphthalene		3400	บ	
77-47-4	Hexachlorocyclopentadiene		3400	ប	. [
88-06-2	2,4,6-Trichlorophenol		3400	U	
95-95-4	2,4,5-Trichlorophenol		3400	U	
92-52-4			3400	U	
	2-Chloronaphthalene		3400	U	
	2-Nitroaniline		8200	U	
131-11-3	Dimethyl phthalate		3400	U	
208-96-8	Acenaphthylene		100	J	
606-20-2	2,6-Dinitrotoluene		3400	U	
99-09-2	3-Nitroaniline		8200	ប	
			•	1	- 1

Client No.

			•	TP-45-1
Lab Name: STL Buffal	<u>o</u>	ontract:	<del>_</del>	
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23406
Sample wt/vol:	30.61 (g/mL) <u>G</u>	<del>-</del>	Lab File ID:	V12361.RR
Level: (low/med)	TOM		Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture:52	decanted: (Y/N)	) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (uL)	)	Date Analyzed:	11/11/2005
Injection Volume:	2.00 (ul.)		Dilution Factor:	5.00

GPC Cleanup: (Y/N) N pH: 6.3

CT CT 270	COMPOSE	CONCENTRATION UN		0
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG_	Q
83-32-9	Acenaphthene		3400	ប
I .	2,4-Dinitrophenol		8200	ប ៈ
	4-Nitrophenol		8200	U
	Dibenzofuran		3400	U
121-14-2	2,4-Dinitrotoluene		3400	ט
ł	Diethyl phthalate		3400	ប
	4-Chlorophenyl phenyl ether		3400	ប្
86-73-7			3400	ប
1	4-Nitroaniline		8200	U
534-52-1	4,6-Dinitro-2-methylphenol		8200	ט
(	N-nitrosodiphenylamine		3400	ַ <u>ט</u>
	4-Bromophenyl phenyl ether	·	3400	U
	Hexachlorobenzene		3400	ับ
1912-24-9	Atrazine		3400	U
87-86-5	Pentachlorophenol		8200	υ
85-01-8	Phenanthrene		260	J
120-12-7	Anthracene		3400	U
86-74-8	Carbazole		3400	U
84-74-2	Di-n-butyl phthalate		3400	Ū
	Fluoranthene		600	J '
129-00-0	Pyrene		440	J
85-68-7	Butyl benzyl phthalate		3400	U
91-94-1	-3,3'-Dichlorobenzidine		3400	U
56-55-3	Benzo (a) anthracene		280	J
218-01-9			320	J
117-81-7	-Bis(2-ethylhexyl) phthalate		3400	บ
	Di-n-octyl phthalate		3400	U
	-Benzo (b) fluoranthene		400	J
207-08-9	-Benzo (k) fluoranthene		3400	ប
	-Benzo (a) pyrene		340	J
	-Indeno(1,2,3-cd)pyrene		250	J
	-Dibenzo (a, h) anthracene		3400	U

			TP-45-1	1
Lab Name: STL Buffalo	ontract:			
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	_	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23406	• 4
Sample wt/vol: 30.61 (g/mL) G	<u>L</u>	Lab File ID:	V12361.RR	<del></del>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/26/2005	10/28/2005
% Moisture: <u>52</u> decanted: (Y/N	<u>.)                                    </u>	Date Extracted:	10/30/2005	-
Concentrated Extract Volume: 1000 (uL	)	Date Analyzed:	11/11/2005	
Injection Volume: 2.00 (uL)		Dilution Factor	5.00	
GPC Cleanup: (Y/N) N pH: 6.3	•			
CAS NO. COMPOUND	- ·	ncentration units ug/L or ug/Kg)		Q
191-24-2Benzo (ghi) per	ylene		260 J	· .

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

	A 4
i	TP-45-1

Lab Name: <u>STL Buffalo</u> Contract: \_\_\_\_\_ Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix: (soil/water) SOIL Lab Sample ID: A5C23406 Sample wt/vol: 30.61 (g/mL) G Lab File ID: V12361.RR Level: (low/med) LOW Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u> % Moisture: <u>52.0</u> decanted: (Y/N) <u>N</u> Date Extracted: 10/30/2005 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005 Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH:  $\underline{6.3}$ 

Number TICs found: 2

CONCENIRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT .	Est. Conc.	Q
1. 2136-71-2	2- (HEXADECYLOXY) -EIHANOL	15.70	900	JN
2.	UNKNOWN	19.99	1400	J

Tab Mana Come Ducke 1 - Control		TP-48
Lab Name: STL Buffalo Contract:	<del></del> ·	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23408
Sample wt/vol: $30.24$ (g/mL) $G$	Lab File ID:	V12365.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>57</u> decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 6.4		•

CAS NO.	COMPOUND	CONCENIRATION UN (ug/L or ug/Kg)	ITS: <u>UG/KG</u>	Q
100-52-7	Benzaldehyde		3800	U
108-95-2			180	J
1	Bis(2-chloroethyl) ether		3800	U
	2-Chlorophenol		170	J
	2-Methylphenol		3800	U
	2,2'-Oxybis (1-Chloropropane)		3800	U
	Acetophenone		3800	U
	4-Methylphenol		3800	U
	N-Nitroso-Di-n-propylamine		3800	tī
	Hexachloroethane		3800	ij
	Nitrobenzene		3800	ŭ
78-59-1			3800	Ū
	2-Nitrophenol	·	3800	U
	2,4-Dimethylphenol		3800	Ū
111-91-1	Bis(2-chloroethoxy) methane		3800	Ū
	2,4-Dichlorophenol		3800	U
	Naphthalene		3800	U
	4-Chloroaniline		3800	υ
ł company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company or company o	Hexachlorobutadiene		3800	U
	Caprolactam		3800	Ū
	4-Chloro-3-methylphenol	<del></del>  .	190	J
	2-Methylnaphthalene	<del></del>	3800	ט
77-47-4	Hexachlorocyclopentadiene		3800	υ
	2,4,6-Trichlorophenol		3800	U
	2,4,5-Trichlorophenol		3800	U
92-52-4			3800	υ
	2-Chloronaphthalene	• • •	3800	ט
	2-Nitroaniline		9300	ប
	Dimethyl phthalate	<del></del>	3800	ט
208-96-8	Acenaphthylene		3800	Ū
606-20-2	2,6-Dinitrotoluene		3800	Ū
99-09-2	-3-Nitroaniline		9300	บ

Client No.

Lab Name: STL Buffalo	Contract:		TP-48
Teo Name: SILI BULLATO	CONCLACE:	<del></del>	
Lab Code: <u>RECNY</u> Cas	se No.: SAS No.:	SDG No.:	
Matrix: (soil/water) §	SOIL	Lab Sample ID:	A5C23408
Sample wt/vol: _	30.24 (g/mL) <u>G</u>	Lab File ID:	V12365.RR
Level: (low/med) <u>L</u>	MON.	Date Samp/Recv:	10/26/2005 10/28/2005
% Moisture: <u>57</u> d	decanted: (Y/N) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract V	/olume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2	2.00 (uL)	Dilution Factor:	5.00

GPC Cleanup: (Y/N) N pH: 6.4

CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q
83-32-9Acenaphthene 51-28-52,4-Dinitrophenol 100-02-74-Nitrophenol 132-64-9Dibenzofuran 121-14-22,4-Dinitrotoluene 84-66-2Diethyl phthalate 7005-72-34-Chlorophenyl phenyl ether 86-73-7Fluorene 100-01-64-Nitroaniline 534-52-14,6-Dinitro-2-methylphenol 86-30-6N-nitrosodiphenylamine 101-55-34-Bromophenyl phenyl ether 118-74-1Hexachlorobenzene 1912-24-9Atrazine 87-86-5Pentachlorophenol 85-01-8Phenanthrene 120-12-7Anthracene 86-74-8Carbazole 84-74-2Di-n-butyl phthalate 206-44-0Fluoranthene 129-00-0Pyrene 85-68-7Butyl benzyl phthalate 91-94-13,3'-Dichlorobenzidine 56-55-3Benzo (a) anthracene 218-01-9Chrysene 117-81-7Bis (2-ethylhexyl) phthalate 117-84-0		140 9300 9300 3800 3800 3800 3800 3800 9300 9300 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3800 3	חינימיממנימממימממממממממממממממי
53-70-3Dibenzo (a, h) anthracene		3000	

#### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	TP-48
- CARCELLOCK	· .
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C23408
Sample wt/vol: 30.24 (g/mL) G	Lab File ID: <u>V12365.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 10/26/2005 10/28/2005
% Moisture: <u>57</u> decanted: (Y/N) N	Date Extracted: <u>10/30/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/11/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:5.00
GPC Cleanup: (Y/N) N pH: 6.4	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene	230 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-4	8	
l		

Lab Name: STL Buffalo Contract: \_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23408

Sample wt/vol: 30.24 (g/mL) G Lab File ID: V1.2365.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/26/2005</u> <u>10/28/2005</u>

% Moisture: <u>57.2</u> decanted: (Y/N) <u>N</u> Date Extracted: <u>10/30/2005</u>

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: \_\_\_\_2.00 (uL) Dilution Factor: \_\_\_5.00

GPC Cleanup: (Y/N) N pH: 6.4

CONCENTRATION UNITS:

Number TICs found:  $\underline{6}$  (ug/L or ug/Kg)  $\underline{\text{UG/KG}}$ 

CAS NO.	Compound Name	RT	Est. Conc.	Q
2. 1599-67-3	HEPTAFLUOROBUTANOIC ACID, HEP 1-DOCOSENE	15.69 16.25	2100 2800	JN JN
3. 83-47-6 4. 5.	.GAMMASITOSTEROL UNKNOWN UNKNOWN	18.57 18.64 18.69	1500 1500 810	JN J
6.	UNKNOWN	19.99	1500	J

Client No.

Inh Name. Cut Duffala	Claubers ab		TP-49
Lab Name: SIL Buffalo	Contract:		
Lab Code: <u>RECNY</u> Case No	.: SAS No.:	_ SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23409
Sample wt/vol: 30.9	<u>5</u> (g/mL) <u>G</u>	Lab File ID:	V12366.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 49 decan	ted: (Y/N) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract Volum	e: <u>1000</u> (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00(	uL)	Dilution Factor:	5.00

GPC Cleanup: (Y/N) N pH:  $\underline{6.6}$ 

-		CONCENTRATION UN	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/kg</u>	Q
100-52-7	Benzaldehyde		3200	U
108-95-2	Phenol		3200	ט
111-44-4	Bis(2-chloroethyl) ether		3200	U
95-57-8	2-Chlorophenol		3200	ט
95-48-7	2-Methylphenol		3200	ט
108-60-1	2,2'-Oxybis(1-Chloropropane)		3200	U
98-86-2	Acetophenone		3200	שו
106-44-5	4-Methylphenol	· arrangeless	3200	ט ו
	N-Nitroso-Di-n-propylamine		3200	ש
67-72-1	Hexachloroethane		3200	ן ט
98-95-3	Nitrobenzene		3200	υ
78-59-1	Isophorone		3200	ט
88-75-5	2-Nitrophenol		3200	ן ט
105-67-9	2,4-Dimethylphenol		3200	ט
111-91-1	Bis(2-chloroethoxy) methane		3200	U
120-83-2	2,4-Dichlorophenol		3200	U
91-20-3	Naphthalene		3200	ן ת
106-47-8	4-Chloroaniline		3200	U
87-68-3	Hexachlorobutadiene		3200	U
105-60-2	Caprolactam		3200	ע
59-50-7	4-Chloro-3-methylphenol		3200	U
91-57-6	2-Methylnaphthalene		170	J
	Hexachlorocyclopentadiene		3200	U
88-06-2	2,4,6-Trichlorophenol		3200	U
95-95-4	2,4,5-Trichlorophenol		3200	ן די
92-52-4	Biphenyl		3200	υ
91-58-7	2-Chloronaphthalene		3200	U
88-74-4	2-Nitroaniline		7600	ט
131-11-3	Dimethyl phthalate		3200	U .
208-96-8	Acenaphthylene		290	J
	2,6-Dinitrotoluene		3200	U
	3-Nitroaniline		7600	ប
<del></del>				

			TP-49
Lab Name: STL Buffalo	Contract:	<del></del>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23409
Sample wt/vol: 30.95 (g/mL)	<u>G</u>	Lab File ID:	<u>V12366.RR</u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 49 decanted: (Y	∖n⟩ ñ	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000(	uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 6.6			

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

<u>_</u>		TP-49
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	. •
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23409
Sample wt/vol: $30.95$ (g/mL) $G$	Lab File ID:	V12366.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 49 decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 6.6		
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) [	UG/KG Q
191-24-2Benzo(ghi)perylene		320 J

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

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Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A5C23409

Sample wt/vol: 30.95 (g/mL) G Lab File ID: V1.2366.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/27/2005</u> <u>10/28/2005</u>

% Moisture: 49.3 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.6

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 54676-39-0	CYCLOHEXANE, 2-BUTYL-1, 1, 3-TR	8.88	1200	JN
2.	UNKNOWN CYCLOHEXANE DER.	9.04	1000	J
3.	UNKNOWN HYDROCARBON	9.27	3100	J
4.	UNKNOWN	9.38	840	J
5. 90-12-0	1-METHYLNAPHTHALENE	9.76	850	JN
6.	UNKNOWN CYCLOHEXANE DER.	9.95	980	J
7.	DIMETHYLNAPHTHALENE ISOMER	10.66	790	J
8.	UNKNOWN	10.72	1700	J
9.	UNKNOWN CYCLOHEXANE DER.	10.81	820	J
10. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	11.03	3400	JN
11.	UNKNOWN	11.23	1400	J [
12.	UNKNOWN HYDROCARBON	11.65	1700	J.
13.	UNKNOWN	11.77	2300	J
14.	UNKNOWN HYDROCARBON	12.23	6400	J <sub>.</sub>
15. 483-78-3	NAPHIHALENE, 1, 6-DIMETHYL-4-(	12.51	3400	JN
16. 529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	12.89	5200	JN
17.	UNKNOMN ,	16.96	1800	J
18.	UNKNOWN	17.19	3300	J.
19.	UNKNOWN PAH DER.	17.62	9200	J
20.	UNKNOWN PAH DER.	17.94	6300	J

Client No.

Lab Name: SIL Buffa	<u>llo</u> Contract:		TP-53
TEO Name. SID Buria	Concract:		
Lab Code: RECNY	Case No.: SAS No.:	SDG No.:	•
Matrix: (soil/water	) SOIL	Lab Sample ID:	A5C23410
Sample wt/vol:	30.71 (g/mL) <u>G</u>	Lab File ID:	<u>V12367.RR</u>
Level: (low/med)	TOM	Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 66	decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extrac	t Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	5.00

GPC Cleanup: (Y/N) N pH: 6.2

		CONCENTRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>ug/kg</u>	.Q
100-52-7	Benzaldehyde		4800	ប
108-95-2			4800	U
111-44-4	Bis(2-chloroethyl) ether		4800	บ
95-57-8	2-Chlorophenol		4800	ប
95-48-7	2-Methylphenol		4800	U
108-60-1	2,2'-Oxybis (1-Chloropropane)		4800	ับ
	Acetophenone		4800	บ
106-44-5	4-Methylphenol		4800	ប
621-64-7	N-Nitroso-Di-n-propylamine		4800	U
67-72-1	Hexachloroethane		4800	U
98-95-3	Nitrobenzene		4800	U
78-59-1	Isophorone		4800	U
	2-Nitrophenol		4800	U .
105-67-9	2,4-Dimethylphenol		4800	ט
	Bis(2-chloroethoxy) methane		4800	U
	2,4-Dichlorophenol		4800	ប
91-20-3	Naphthalene		4800	υ.
106-47-8	4-Chloroaniline		4800	ט
87-68-3	Hexachlorobutadiene		4800	Ū
105-60-2	Caprolactam		4800	U
59-50-7	4-Chloro-3-methylphenol		4800	ט ו
91-57-6	2-Methylnaphthalene		4800	U
77-47-4	Hexachlorocyclopentadiene		4800	ប
88-06-2	2,4,6-Trichlorophenol		4800	υ
95-95-4	2,4,5-Trichlorophenol		4800	U
92-52-4			4800	U
91-58-7	2-Chloronaphthalene		4800	U .
	2-Nitroaniline		12000	U
131-11-3	Dimethyl phthalate		4800	U
	Acenaphthylene		4800	U
	2,6-Dinitrotoluene		4800	U
	3-Nitroaniline		12000	U
	Particle and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second		·	

Client No.

			TP-53
Lab Name: STL Buffalo	Contract:	·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23410
Sample wt/vol: _30.71 (g/mL)	<u>G</u>	Lab File ID:	<u>V12367.RR</u>
Level: (low/med) LOW		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 66 decanted: (Y	//N) <u>N</u>	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000	(uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	5,00
CDC Cleamin. (V/N) N ril. 62			

3PC Cleanup: (1/N) N pH: 6.2

CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)	ITS: <u>UG/KG</u>	Q
83-32-9	Acenaphthene		4800	U
51-28-5	2,4-Dinitrophenol		12000	. U .
100-02-7	-4-Nitrophenol		12000"	U
132-64-9	Dibenzofuran		4800	U
121-14-2	-2,4-Dinitrotoluene		4800	U
84-66-2	-Diethyl phthalate		4800	U
7005-72-3	-4-Chlorophenyl phenyl ether		4800	U
86-73-7			4800	U .
100-01-6	-4-Nitroaniline		12000	U
534-52-1	-4,6-Dinitro-2-methylphenol		12000	U
86-30-6	-N-nitrosodiphenylamine		4800	U
101-55-3	-4-Bromophenyl phenyl ether		4800	U
118-74-1	-Hexachlorobenzene		4800	U
1912-24-9	-Atrazine		4800	U
87-86-5	-Pentachlorophenol		12000	U
85-01-8	-Phenanthrene		160	J
120-12-7	-Anthracene		4800	U.
86-74-8		-	4800	ប
84-74-2	-Di-n-butyl phthalate		4800	U
206-44-0	-Fluoranthene †		410	J ·
129-00-0	-Pyrene		300	J
85-68-7	-Butyl benzyl phthalate		4800	ប
91-94-1	-3,3'-Dichlorobenzidine		4800	ש
56-55-3	-Benzo (a) anthracene		200	J
218-01-9	-Chrysene		190	J
117-81-7	-Bis(2-ethylhexyl) phthalate		380	BJU
117-84-0	-Di-n-octyl phthalate		4800	U
205-99-2	-Benzo (b) fluoranthene		310	J
207-08-9	-Benzo(k) fluoranthene		4800	ប
50-32-8	-Benzo (a) pyrene		240	J
	-Indeno (1, 2, 3-cd) pyrene		180	J
	-Dibenzo (a,h) anthracene		4800	U-

# ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

•				TP-53		1
Lab Name: STL I	<u>Ruffalo</u>	Contract:		<u> </u>		
Lab Code: RECN	Case No.:	SAS No.: _	SDG No.:	<u>·</u>		
Matrix: (soil/v	water) <u>SOIL</u>		Lab Sample	ID: <u>A5C234</u>	L <u>O</u>	
Sample wt/vol:	<u>30.71</u> (g/m	L) <u>G</u>	Lab File I	D: <u>V12367</u>	.RR	
Level: (low/n	ned) <u>LOW</u>		Date Samp/i	Recv: <u>10/27/</u>	2005 10/28	<u>/2005</u>
% Moisture:	66 decanted:	(Y/N) <u>N</u>	Date Extra	cted: <u>10/30/</u>	2005	
Concentrated Ex	stract Volume: 100	<u>0</u> (uL)	Date Analy	zed: <u>11/11/</u>	<u> 2005</u>	
Injection Volum	ne:2.00(uL)	•	Dilution Fa	actor: 5.0	<u>)0</u>	
GPC Cleanup:	Y/N) <u>N</u> pH: <u>6.2</u>					-
CAS NO	COMPOUND		CONCENTRATION (ug/L or ug/K		Q	
191-24	-2Benzo (ghi	perylene		180	J	•

## ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

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1,1,15	<b>``</b>	
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1		

Lab Name: STL Buffalo Contract: \_\_\_\_

Lab Code: RECNY Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: A5C23410

Sample wt/vol: 30.71 (g/mL) G Lab File ID: V12367.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>10/27/2005</u> <u>10/28/2005</u>

% Moisture: 66.1 decanted: (Y/N) N Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/2005

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.2

CONCENTRATION UNITS:

Number TICs found: <u>18</u> (ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	12.72	1000	J
2. 19078-37-6	1-NAPHTHALENEMETHANOL, 1, 4, 4A	13,12	1300	JN
3.	UNKNOWN	13.33	3000	J
4.	UNKNOWN	13.78	1500	J.
5,	UNKNOWN	14.21	1700	J
6.	UNKNOWN	15.39	3200	J.
7.	UNKNOWN	15.57	2000	J
8.	UNKNOWN	15.65	3000	J
9. 18435-45-5	1-NONADECENE	15.69	7300	JN
10. 56221-91-1	13-TETRADECEN-1-OL ACETATE	16.82	1400	JN
11.	UNKNOWN	17.96	1700	J
12. 83-47-6	.CAMMA.SITOSTEROL	18.57	3300	JN
13.	UNKNOWN	18.64	7200	J ·
14.	UNKNOWN	18.84	1700	J
15.	UNKNOWN	18.97	14000	J
16.	UNKNOWN	19.13	3700	J
17.	UNKNOWN	19.88	6500	J.
18.	UNKNOWN	20.00	10000	J

			TP-55
Lab Name: <u>STL Buffalo</u>	Contract:	erme	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A5C23411
Sample wt/vol: 30.71 (g/mL)	<u>G</u>	Lab File ID:	V12368.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: <u>53</u> decanted: (Y,	/n) <u>n</u>	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (1	uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 6.2			

		CONCENTRATION UNI	TS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/KG</u>	Q
100-52-7	Benzaldehyde		3400	บ
108-95-2	Phenol		3400	U .
111-44-4	Bis(2-chloroethyl) ether		- 13400°	ט .
95-57-8	2-Chlorophenol		3400	U
95-48-7	2-Methylphenol		3400	ש
108-60-1	2,2'-Oxybis(1-Chloropropane)	)	3400	ប
98-86-2	Acetophenone		3400	υ
106-44-5	4-Methylphenol		3400	U
621-64-7	N-Nitroso-Di-n-propylamine		3400	U
67-72-1	Hexachloroethane		3400	U
98-95-3	Nitrobenzene		3400	บ
78-59-1	Isophorone		3400	ប
	2-Nitrophenol		3400	บ
105-67-9	2,4-Dimethylphenol		3400	Ω.
111-91-1	Bis(2-chloroethoxy) methane		3400	ָּט
120-83-2	2,4-Dichlorophenol		3400	שׁן
91-20-3	Naphthalene		3400	U
106-47-8	4-Chloroaniline		3400	ש
87-68-3	Hexachlorobutadiene		3400	.  U
105-60-2	Caprolactam		3400	U
59-50-7	4-Chloro-3-methylphenol		3400	U
91-57-6	2-Methylnaphthalene	-	3400	U.
77-47-4	Hexachlorocyclopentadiene		3400	U
88-06-2	2,4,6-Trichlorophenol	-	3400	U
95-95-4	2,4,5-Trichlorophenol		3400	ט
92-52-4	Biphenyl		3400	ַ ט
	2-Chloronaphthalene		3400	U
	2-Nitroaniline		8300	U
131-11-3	Dimethyl phthalate		3400	U
	Acenaphthylene		3400	שׁ
	2,6-Dinitrotoluene		3400	U
	3-Nitroaniline		8300	ប

Lab Name: STL Buffalo	Contract:		TP-55
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Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A5C23411
Sample wt/vol: 30.71 (g/mL)	<u>G</u> .	Lab File ID:	V12368.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 53 decanted: (Y/	\и) <u>й</u>	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (u	ıL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 6.2			

	CONCENTRATION UN	IIS:	
CAS NO. COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9Acenaphthene		3400	U
51-28-52,4-Dinitrophenol		8300	U
100-02-74-Nitrophenol	•	8300	ָט י י
132-64-9Dibenzofuran		3400	U
121-14-22,4-Dinitrotoluene	,	3400	U
84-66-2Diethyl phthalate		3400	ט
7005-72-34-Chlorophenyl phenyl ether		3400	U
86-73-7Fluorene		3400	U
100-01-64-Nitroaniline		8300	บ
534-52-14,6-Dinitro-2-methylphenol		8300	ָ U
86-30-6N-nitrosodiphenylamine		3400	U-
101-55-34-Bromophenyl phenyl ether		3400	ט
118-74-1Hexachlorobenzene		3400	Ū
1912-24-9Atrazine		3400	U
87-86-5Pentachlorophenol		8300	U
85-01-8Phenanthrene		140	J
120-12-7Anthracene		3400	U
86-74-8Carbazole		3400	U
84-74-2Di-n-butyl phthalate		3400	U ,
206-44-0Fluoranthene		250	J
129-00-0Pyrene	· .	190	J
85-68-7Butyl benzyl phthalate		3400	U
91-94-13,3'-Dichlorobenzidine		3400	U
56-55-3Benzo (a) anthracene		3400	U
218-01-9Chrysene		150	J .,
117-81-7Bis(2-ethylhexyl) phthalate		360	ыÜ
117-84-0Di-n-octyl phthalate		3400	U
205-99-2Benzo(b)fluoranthene		200	J
207-08-9Benzo(k)fluoranthene		3400	U ·
50-32-8Benzo (a) pyrene		130	J
193-39-5Indeno (1, 2, 3-cd) pyrene		110	J
53-70-3Dibenzo (a, h) anthracene		3400	U

#### ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Tob Name Off Deffel	TP-55
Lab Name: SII, Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A5C23411
Sample wt/vol: $30.71$ (g/mL) G	Lab File ID: <u>V12368.RR</u>
Level: (low/med) LOW	Date Samp/Recv: <u>10/27/2005</u> <u>10/28/2005</u>
% Moisture: <u>53</u> decanted: (Y/N) N	Date Extracted: <u>10/30/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>11/11/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 5.00
GPC Cleanup: (Y/N) N pH: 6.2	
	CONCENIRATION UNITS:
CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u> Q
191-24-2Benzo (ghi) perylene_	120 J

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TP-55	-

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A5C23411

Sample wt/vol: 30.71 (g/mL) G

Lab File ID:

V12368.RR

Level: (low/med)

LOW

Date Samp/Recv: 10/27/2005 10/28/2005

% Moisture: <u>52.8</u> decanted: (Y/N) N

Date Extracted: 10/30/2005

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>11/11/2005</u>

Injection Volume: 2.00 (uL)

Number TICs found: 8

Dilution Factor: 5.00

GPC Cleanup:

(Y/N) N pH: 6.2

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO. Compound Name		RT	Est. Conc.	
1.	UNKNOWN	13.33	1000	J -
2.	UNKNOWN PAH DER.	14.98	1400	J
3. 18835-32-0	1-TRICOSENE	15.69	4600	JN
4. 83-46-5	.BETASITOSTEROL	18.57	1500	JN
5. 19466 <b>-</b> 47-8	STIGMASTANOL	18.64	2700	JN
6.	UNKNOWN	18.84	1300	J
7.	UNKNOWN	18.97	1200	J
8 559-74-0	FIDITEDET ANT 3 COMP	-20 00	3/100	TAT

Lab Name: STL Buffalo	Charles			TP-58
THE Name: SILI BULLATO	Contract:		<u>—</u>	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.: _	<del></del>	SDG No.:	
Matrix: (soil/water)	SOIL		Lab Sample ID:	A5C23412
Sample wt/vol:	_30.35 (g/mL) G		Lab File ID:	<u>V12369.RR</u>
Level: (low/med)	LOW		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: <u>16</u>	decanted: (Y/N) N		Date Extracted:	10/30/2005
Concentrated Extract	Volume: 1000 (uL)		Date Analyzed:	11/11/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup: (Y/N) N	pH: <u>7.7</u>		•	

CONCENTRATION UNI	.15:	
(ug/L or ug/Kg)	UG/KG	Q
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	(ug/I, or ug/Kg)	1900 1900 1900 1900 1900 1900 1900 1900

Lab Name: STL Buffalo Co	ontract:		TP-58
Lab Code: RECNY Case No.:			
Matrix: (soil/water) SOIL	•	Lab Sample ID:	A5C23412
Sample wt/vol: 30.35 (g/mL) G	•	Lab File ID:	V12369.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 16 decanted: (Y/N)	N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)		Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	5.00
GPC Cleanup: (Y/N) N pH: 7.7	•		

	CONCENTRATION U	NITS:	
CAS NO. COMPOUND	(ug/L or ug/Kg	) <u>UG/KG</u>	Q
83-32-9Acenaphthene		1900	U
51-28-52,4-Dinitrophenol		4700	U .
100-02-74-Nitrophenol		4700	<b>υ</b>
132-64-9Dibenzofuran		1900	U
121-14-22,4-Dinitrotoluene		1900	ט
84-66-2Diethyl phthalate		1900	U
7005-72-34-Chlorophenyl phenyl ether		1900	U
86-73-7Fluorene		1900	ប
100-01-64-Nitroaniline		4700	U
534-52-14,6-Dinitro-2-methylphenol		4700	U
86-30-6N-nitrosodiphenylamine		1900	U
101-55-34-Bromophenyl phenyl ether		1900	U
118-74-1Hexachlorobenzene		1900	U
1912-24-9Atrazine		1900	U
87-86-5Pentachlorophenol		4700	U
85-01-8Phenanthrene		140	J
120-12-7Anthracene	,	1900	ַ ט
86-74-8Carbazole		1900	U
84-74-2Di-n-butyl phthalate		1900	ับ
206-44-0Fluoranthene		160	J
129-00-0Pyrene		110	J
85-68-7Butyl benzyl phthalate	~~ <u>~</u>	1900	U
91-94-13,3'-Dichlorobenzidine		1900	U
56-55-3Benzo (a) anthracene		1900	ט
218-01-9Chrysene		66	J
117-81-7Bis(2-ethylhexyl) phthalate		140	BJŲ
117-84-0Di-n-octyl phthalate		1900	บ
205-99-2Benzo (b) fluoranthene		1900	U
207-08-9Benzo(k)fluoranthene	r	1900	U
50-32-8Benzo (a) pyrene		1900	U
193-39-5Indeno (1, 2, 3-cd) pyrene		1900	ט
53-70-3Dibenzo(a,h)anthracene		1900	U

## ASP 2000- METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: S	3TL Buffal	<u>lo</u> (	Contract:	· .	TP-58		
			SAS No.:				
Matrix: (so	oil/water)	SOIL		Lab Sample	ID: <u>A5C234</u>	12	
Sample wt/v	701:	_30.35 (g/mL) <u>G</u>	3	Lab File ID	: <u>V12369</u>	.RR	
Level: (1	low/med)	TOM		Date Samp/Re	ecv: <u>10/27/</u> 2	2005 10/2	28/2005
% Moisture:	<u>16</u>	decanted: (Y/N	1) Й	Date Extrac	ted: <u>10/30/</u> 2	2005	
Concentrate	xd Extract	Volume: 1000 (uI	(د	Date Analyza	ed: <u>11/11/</u> 2	<u> 2005</u>	
Injection V	olume:	<u>2.00</u> (만)		Dilution Fac	ctor: <u>5.(</u>	<u>)0</u>	
GPC Cleanup	): (Y/N) ]	N pH: 7.7					•
CA.	S NO.	COMPOUND		CONCENTRATION UN (ug/L_or ug/Kg)		Q	
19:	1-24-2	Benzo(ghi)per	ylene		1900	ប	

#### ASP 2000- METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

	_	TP-58
Lab Name: STL Buffalo Contract:	_	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A5C23412
Sample wt/vol: $30.35$ (g/mL) G	Lab File ID:	V12369.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	10/27/2005 10/28/2005
% Moisture: 15.9 decanted: (Y/N) N	Date Extracted:	10/30/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	11/11/2005
Injection Volume: 2.00 (uL)	Dilution Factor	5.00
GPC Cleanup: (Y/N) N pH: 7.7		
Number TICs found:2	CONCENIRATION UNIT	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 100028-99-0	18-NORABIETANE	14.13	. 790	NŲ
2. 32624-67-2	10,18-BISNORABIETA-8,11-13-T	14.31	560	NŲ

#### Delta Environmental Consultants. Inc.

#### -1-

#### **INORGANIC ANALYSIS DATA SHEET**

Sample	NO.
TP-38	

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO :

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563175

5

Level (low/med):

TOM\_

Date Received:

10/28/2005

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	С	Ω	M
7440-38-2	Arsenic	4.0	-	*	P
7440-41-7	Beryllium	0.19	В	1	P
7440-43-9	Cadmium	2.2	T	и* Ј	₽
7440-47-3	Chromium	16.0	T	N* ⊃	P
7440-50-8	Copper	789	T	N* J	P
7439-92-1	Lead	29.4		N* "7	P
7440-02-0	Nickel	20.1			P
7439-97-6	Mercury	0.020	1	ζи	CV
7440-66-6	Zinc	117	Ī	и* ⊃	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	ĀETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					

#### -1-

#### INORGANIC ANALYSIS DATA SHEET

OFWIE LIE	20.
TP-40	

Contract:

CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563173

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	м
7440-38-2	Arsenic	4.6		*	P
7440-41-7	Beryllium	0.73			P
7440-43-9	Cadmium	20.3		Т *и	P
7440-47-3	Chromium	24.6		K * 10	P
7440-50-8	Copper	518	Ī	[N* 2]	P
7439-92-1	Lead	59.0		N* 2	P
7440-02-0	Nickel	17.2	Ī	1	P
7439-97-6	Mercury	0.183	1	IN J	cv
7440-66-6	Zinc	819		и* 2	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
TP-42		

Contract:

CN04-015

Lab Code: STLBF

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563174

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 48

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	М
7440-38-2	Arsenic	10.0	+	* ",)"	P
7440-41-7	Beryllium	0.39	В	1 2	P
7440-43-9	Cadmium	11.2	1	N* J	P
7440-47-3	Chromium	36.4	Τ	Т *и	P
7440-50-8	Copper	56.3	Ī	и* 2	P
7439-92-1	Lead	25.2	T	N* -)	P
7440-02-0	Nickel	14.9	I	1 3	P
7439-97-6	Mercury	0.314	1	и 2	CV
7440-66-6	Zinc	394	1	Т *и	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AEITOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:			·		
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#### -1-

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE :	NO	
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Contract:	CN04-015			TP-44	
Lab Code:	STLBFLO	Case No.:	SAS No.:	SDG NO.:	A05-C234
Matrix (so:	il/water):	SOIL	Lab Sample ID:	AD563178	
Level (low,	/med): L	OW	Date Received:	10/28/2005	<del></del>
Solids:	35				

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	м
7440-38-2	Arsenic	13.9	十	* "5	<del> </del> ₽
7440-41-7	Beryllium	0.23	В	1 3	P
7440-43-9	Cadmium	2.2	1	р* 2	P
7440-47-3	Chromium	38.6		N* 7	P
7440-50-8	Copper	68.2	Ī	N* 3	P
7439-92-1	Lead	14.0		и* 2	P
7440-02-0	Nickel	18.8	1	1 2	P
7439-97-6	Mercury	0.195	1	C N	CV
7440-66-6	Zinc	51.5	Π	[и∗ Ђ	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	ĀEITOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					

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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	ЮĊ.	
TP-45		

CAR	tra	n+ ·
~~11		

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563176

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 46

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	c	δ	м
7440-38-2	Arsenic	9.3	1	* <u>7</u>	P
7440-41-7	Beryllium	0.76	В	1 3	P
7440-43-9	Cadmium	6.0	1	N* 2	P
7440-47-3	Chromium	41.2	-	С *И	P
7440-50-8	Copper	86.9	-	и* ,2	P
7439-92-1	Lead	32.4		и* 2	P
7440-02-0	Nickel	24.7	1	2	P
7439-97-6	Mercury	0.677		из	CV
7440-66-6	Zinc	171	1	T, *N	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
_		<del></del>			<b>*</b>

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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TP-45-1	
i	 

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563177

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 48

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	М
7440-38-2	Arsenic	8.0	1-	* 3	P
7440-41-7	Beryllium	0.47	B	1 3	P
7440-43-9	Cadmium	8.5	1	и* 2	P
7440-47-3	Chromium	46.7	1	N* 2	P
7440-50-8	Copper	94.0		N* 7	₽
7439-92-1	Lead	38.8	I	И* 7	P
7440-02-0	Nickel	25.6		1 2	P
7439-97-6	Mercury	0.494	1	Си	cv
7440-66-6	Zinc	215	Ī	N* ①	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
TP-48			

Contract:	
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CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563182

Level (low/med):

TOM

Date Received:

10/28/2005

% Solids: 43

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	м
7440-38-2	Arsenic	6.6	╁╌	*3	P
7440-41-7	Beryllium	0.73	В	3	P
7440-43-9	Cadmium	3.0	]	[N*]	P
7440-47-3	Chromium	37.0		N* .)	P
7440-50-8	Copper	53.5		N*	P
7439-92-1	Lead	20.1		и* "3"	P
7440-02-0	Nickel	19.8		7.7	P
7439-97-6	Mercury	0.277		и 2	CV
7440-66-6	Zinc	80.1	1	И* "2	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
		····			
		•			4

### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
TP-49		

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563183

Level (low/med):

LOW

Date Received:

10/28/2005

MG/KG

% Solids: 51

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	С	Q	М
7440-38-2	Arsenic	6.1	+	#	P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	867		N* J	P
7440-47-3	Chromium	1170		Т +и	P
7440-50-8	Copper	92.4		N* 2	P
7439-92-1	Lead	132		и* 2	P
7440-02-0	Nickel	98.1			P
7439-97-6	Mercury	0.826		[L u	CV
7440-66-6	Zinc	2770	1	[ *N	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					44.444
		•			

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
TP-53	

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563184

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 34

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	м
7440-38-2	Arsenic	15.8	1	* 2	P
7440-41-7	Beryllium	0.80	B	13	₽
7440-43-9	Cadmium	53.0	-	и* 7	P
7440-47-3	Chromium	60.4	1	И* Ĵ	P
7440-50-8	Copper	101		Т *и	₽
7439-92-1	Lead	219	1	N* )	₽
7440-02-0	Nickel	38.8		1 .2	P
7439-97-6	Mercury	1.8		иЗ	cv
7440-66-6	Zinc	866	1	N* J	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:	,		****		
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#### INORGANIC ANALYSIS DATA SHEET

Sample	NO.		
TP-55			

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563185

Level (low/med):

LOW

Date Received:

10/28/2005

% Solids: 47

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	c	Q	М
7440-38-2	Arsenic	9.9		* 5	P
7440-41-7	Beryllium	0.92	B	2.	P
7440-43-9	Cadmium	6.2		Т *и	P
7440-47-3	Chromium	29.3		(* *M	P
7440-50-8	Copper	56.6		N* 3	P
7439-92-1	Lead	98.4	]	N* 22	P
7440-02-0	Nickel	15.1	1	1 5	P
7439-97-6	Mercury	2.0	1	N 7	cv
7440-66-6	Zinc	113	1	Т *и	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	AETTOM	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
-		1			

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
TP-58	

Contract:	
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CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-C234

Matrix (soil/water):

SOIL

Lab Sample ID:

AD563186

Level (low/med):

TOM

Date Received:

10/28/2005

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7440-38-2	Arsenic	1.6	-	*	P
7440-41-7	Beryllium	0.64	1		P
7440-43-9	Cadmium	1.6		Т*и	P
7440-47-3	Chromium	10.3		N* .3	P
7440-50-8	Copper	75.5	Π	и+ 2	P
7439-92-1	Lead	11.8	Ī	и* 2	P
7440-02-0	Nickel	6.2	<u> </u>	1	P
7439-97-6	Mercury	0.069	Ι	и 2	CV
7440-66-6	Zinc	43.7	l	[N* ①	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
	*			•	

### 117/1622

Wet Chemistry Analysis

	Contract:				-		
tase No.:	SAS No.: SDG No.:						
atrix (soil/water): SOIL Lab Sample ID: A5C23403							
<u>4</u>	Date Samp/Recv: 10/26/2005 10/28/2005						
1	t	Result	С	Q	м	Method Number	Analyzed Date
S	.U.	7.80				9045	11/02/2005
	4 Name S	Ase No.:  SAS No.:  Units of Measure  S.U.	SAS No.:  Lab Samp  4 Date Sam  Units of Measure Result  S.U. 7.80	SAS No.:  Iab Sample  Date Samp/  Units of Measure Result C  S.U. 7.80	SAS No.:  Lab Sample ID:  Date Samp/Recv:  Units of Measure Result C Q  S.U. 7.80	Contract:	Contract:

#### Wet Chemistry Analysis

Contract					TP-40	
SAS No.: SDG No.:						
Lab Sample ID: A5C23401						
Date Samp/Recv: 10/26/2005 10/28/2005						)/28/2005
Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
S.U.	7.84				9045	11/02/2005
	SAS No.  Units of Measure	SAS No.:  Lab Sam  Date Sam  Units of Measure Result	SAS No.:  Lab Sample  Date Samp/  Units of Measure Result C	Lab Sample ID:  Date Samp/Recv:  Units of Measure Result C Q	Contract:  SAS No.:  Lab Sample ID: A5  Date Samp/Recv: 10  Units of Measure Result C Q M	SAS No.: SDG No.:  Lab Sample ID: A5C23401  Date Samp/Recv: 10/26/2005 10  Units of Measure Result C Q M Number

### 119/1622

#### Wet Chemistry Analysis

Lab Name: STL Buffa	alo.	Contract	• ************************************				TP-42 	
TED TESTES. DITT DUTTE	<u>ao</u>	Williace						
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	·			i	SDG No.: _	
Matrix (soil/water)	: SOIL		Lab Samp	ρle	e ID:	<u>A5</u>	C23402	
% Solids:	48.1		Date Sar	ub/	'Recv:	<u>10</u>	<u>/26/2005</u> <u>10</u>	0/28/2005
Par	rameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Leachable pH_		s.v.	6.38				9045	11/02/2005
Comments:								
<del></del>							<del></del>	

#### Wet Chemistry Analysis

### 120/1622

Lab Name: SIL Buffalo	Contract	:			-	IP-44	
					•		
Lab Code: RECNY Case No.:	SAS No.	:			ţ	SDG No.:	
Matrix (soil/water): SOIL		Lab Samp	οle	e ID:	<u>A50</u>	223407	
% Solids: <u>34.6</u>		Date San	πp/	'Recv:	<u>10</u> ,	/26/2005 <u>10</u>	)/28/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH	S.U.	6.28				9045	11/02/2005
Comments:							

### 121/1622

Wet Chemistry Analysis

Lab Name: <u>STL Buffalo</u>	Contract	::		_	L		
Lab Code: <u>RECNY</u> Case No.	SAS No.	:			i	SDG No.:	<del></del> .
Matrix (soil/water): SOIL		Lab Samp	le	ID:	<u>A50</u>	C23405	
% Solids: <u>45.6</u>		Date Sam	p/	Recv:	<u>10</u>	/26/2005 <u>10</u>	)/28/2005
Parameter Name	Units of Measure		С	Q	м	Method Number	Analyzed Date
Leachable pH	S.U.	6.47				9045	11/02/2005
Comments:							

#### Wet Chemistry Analysis

122/1622

Client Sample No. TP-45-1 Lab Name: STL Buffalo Contract: SDG No.: \_\_\_\_ Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ Lab Sample ID: A5C23406 Matrix (soil/water): SOIL Date Samp/Recv: 10/26/2005 10/28/2005 % Solids: 48.0 Units of Method Analyzed |c| M Number Date Q Measure Result Parameter Name 9045 11/02/2005 s.v. 6.34 Leachable pH\_ Comments:

### 125/1622

Wet Chemistry Analysis

Lab Name: STL Buffalo	Contract	:			Ĺ	1P-53	
Lab Code: RECNY Case No.:		•			į	SDG No.: _	
Matrix (soil/water): <u>SOIL</u>		Lab Samp	ρle	e ID:	<u>A5</u>	C23410	
% Solids: <u>33.9</u>		Date Sar	πp/	'Recv:	<u>10</u>	/27/2005 10	/28/2005
Parameter Name	Units of Measure	Result	C	Q	м	Method Number	Analyzed Date
Leachable pH_	_ ຣ.ບ.	6.24				9045	11/02/2005
Comments:							

#### Wet Chemistry Analysis

126/1622

Client Sample No. TP-55 Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): SOIL Lab Sample ID: A5C23411 % Solids: 47.2 Date Samp/Recv: <u>10/27/2005</u> <u>10/28/2005</u> Units of Method Analyzed cl Parameter Name Measure Q М Number Date Result Leachable pH S.U. 9045 11/02/2005 6.18 Comments:

### 127/1622

Wet Chemistry Analysis

Lab Name: <u>STL Buffalo</u>		Contract			<u>.</u>	L		
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	·			,	SDG No.:	
Matrix (soil/water): <u>so</u>	<u>IL</u> ,		Lab Samp	ple	D:	<u>A5</u>	C23412	
% Solids: 8	4.1		Date Sar	mp/	Recv:	<u>10</u>	<u>/27/2005</u> <u>10</u>	/28/2005
Parameto	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Leachable pH_		s.u.	7.67				9045	11/02/2005
Comments:								

Chain Of Custody Documentation

# Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0901)	1					
Deta Envinnmenta	_1	oject Manager M ( Y /2	Schunach	2 V Date V 1 2	27/205 Chain of	Custody Number 2 1 4 1 5 1
Address Ui Jamesville Rd	Tei		)/Fax Number - 02-24	Lab Number	Page_	1 7
	. 7	te Contact	Lab Contact	Analysis (Attach	list if	<u> </u>
Project Name and Location (State)	· · · · · · · · · · · · · · · · · · ·	Suv l				
lover Cronse In do	7 NY	arren vvaybili Nulliber		14 7 81 1		Special Instructions/
Contract/Purchase Order/Quote No.		Matrix	Containers & Preservatives	5116.3 44156.4		Conditions of Receipt
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date Time	Air Air Oil	Unpres. HZSO4 HNO3 HCI NaOH ZnAC/ NaOH	Kils Man		
TP-40	10/26/05 900			X X X	I As	f 2010
TP-42	10/26/05 115	0 X		XXXX		uteson B
TP-38	1012405 950			X X X		deliverables
TP-44	10/20/05 133	X O		x x X		
M.5	1012615 140			K K K		
MSD	140	00 X		Y X Y		
TP45	140	אן וע		X   X   X		
TP45-1	140	20   19		V K P		
it -48	V 161	0   0		YXX		
TP-49	10/27/0- 90					
TP-63	110	x		4 4 4		
TP-55	114	·		PPK		
Possible Hazard Identification  Non-Hazard	🗆 Poison B 🛍 Unki	Sample Disposal nown Return To Client	Disposal By Lab	Archive For Months	(A fee may be assessed if sa longer than 1 month)	mples are retained
Turn Around Time Required	٨ ل		OC Requirements (Spec		11 10	
)   24 Hours   48 Hours   7 Days   14 De   1. Relinguished By   7	······································	Otherate ,Time	- The day	000 Category B	de liverable	Time
Sank with And		10/27/05/14/5	Mand Cher		10/27	1/05 14/15 00
2. Falinquisped By		ate Time	2. Received By	U (Well	(1)28	7/65 /4/5 Time (0(U)
3. Relinquished By	D'a	ate Time	3. Received by		Date	Time
Comments  As what so call & Arskn.c., by	ecyllium, ca	dminm; cho	onland, wa	per lead mer	ury rickel	ZINC & SAN
DISTRIBUTION: WHITE Returned to Client with Report:	CANARY - Stays with the	Sample: PINK - Field Copy			J'	' <b>~</b>

### Chain of Custody Record



Severn Trent Laboratories, Inc.

3114124 (0901)																									
Delta Environmenta	$\mathbf{c}$	Project	t Manag AY	jer (	50	hu	. (A	Ä	Ch	2 1					Da		27/	1200	65	Sha	in of Cut	TODY N	49		
Address 104 Tanipulle Rd		Teleph	one Nu	mber (,	Area C	ode)/F		mber							Lat	Num	ber			-		<del>- 1 -</del> 2		<del></del>	
City State Zip	3214	Site Co			الزيا	La La	ıb Con	itact					ή	\ A	halysis ore spa	(Atta	ach lis need	st if led)		Pag	ge		of		
Project Name and Location (State)	)	Carrier	//Waybil	l Numt	er	_1		<del>-</del> , .				8260	i i	9	25.10.1										
Contract/Purchase Order/Quote No.		<u>-</u>		Matr	ix				tainer ervat			166.5	1/2/1	3	1%						Spe Con	ecial Ir idition:	struction of Rece	ns/ pipt	
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	*	Sed.	188	Unpres.	<del></del>	,		NaOH ZnAc/	нон ,	1177	10% S.10% 10		m tal.										
TP 58	10/27/05	131C			Х					2 14	<u> </u>	X	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Y						456	20	000	<del>- ;</del>	
		·····		<del> </del>																	ak	ξ <u>α</u> CΔ	B		
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				<del> </del>		$\dagger$			$\dashv$	+				$\dagger$	1-1-				1						
Possible Hazard Identification																									
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant [	Poison B	<b>D</b> Unknown			sposal To Clid	ent	<b>120</b> 0					Archiv	re For		M	lonths			be ass		if sampl	es are re	stained		
Turn Around Time Required  24 Hours  48 Hoyrs  7 Days  14 Da	ys De 21 Days	s 🗆 Oth	ner						ireme P		pecify)	0	fc	C/1	٠	B	<i>J</i>	(112)	1	do					
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2. Relinquished By		Date	7/12		ne 810	····			/ed B)	<u> </u>			Û	n	1741	ŕ					7		Time /		Š
3. Relinquished By		Date	<u>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>		ne	<del> /</del> .	3. A	leceiv	red By	7	1				<u> </u>		···········			D	ate C		Time		7
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OISTRIBUTION: WHITE REDUTE CHIENT WITH REPORT	CANARY - Stays w	vith the Sam	ple; Pli	VK - Fi	eld Cor	<b>)</b>		اعت			) [	4	œ.C.j		ac /	LCY	4.6.6.	1	/) A	, _ , _	1) 2	- ۱۸۵	7	· · · ·	



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: A05-D400

STL Project#: NY4A9341

Site Name: <u>Delta Environmental Consultants</u>, <u>Inc.</u> Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

Brian JV Fischer Project Manager

12/14/2005

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•		•	

### STL Buffalo Current Certifications

#### As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	<del></del>
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
lowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
/irginia	SDWA	278
Vashington	CWA,RCRA	C254
Vest Virginia	CWA,RCRA	252
Nisconsin	CWA	998310390

Sample Data Summary Package

#### SAMPLE SUMMARY

					SAMP	LED	RECEIV	ED
LAB SAMPLE ID	CLIEVI	SAMPLE	$\square$	MATRIX	DATE	TIME	DATE	TIME
A5D40001	MW-11A			WATER	11/21/2005	10:30	11/23/2005	11:00
A5D40002	MW-11B			WATER	11/21/2005	11:30	11/23/2005	11:00
A5D40003	MW-11C			WATER	11/21/2005	10:30	11/23/2005	11:00
A5D40006	MW-12A			WATER			11/23/2005	
A5D40007	MW-12B			WATER	11/21/2005	16:10	11/23/2005	11:00
A5D40008	MW-2			WATER	11/21/2005	16:50	11/23/2005	11:00
A5D40004	MW-4A			WATER	11/21/2005	12:50	11/23/2005	11:00
A5D40004MS	MW-4A			WATER			11/23/2005	
A5D40004 <i>S</i> D	MW-4A			WATER			11/23/2005	
A5D40005	MW-4B			WATER	11/21/2005	13:30	11/23/2005	11:00
A5D40013	MW-6A			WATER			11/23/2005	
A5D40014	MW-6B			WATER			11/23/2005	
A5D40009	MW-8A			WATER	11/22/2005			
A5D40010	MW-8B			WATER	11/22/2005			
A5D40011	MW-9A			WATER	11/22/2005			
A5D40012	MW-9B			WATER	11/22/2005			
A5D40012MS	MW-9B			WATER	11/22/2005	11:40	11/23/2005	11:00
A5D40012SD	MW-9B			WATER	11/22/2005			
A5D40015	TRIP BLAN	K		WATER	11/22/2005		11/23/2005	

#### METHODS SUMMARY

Job#: <u>A05-D400</u>

SIL Project#: <u>NY4A9341</u> Site Name: <u>Delta Environmental Consultants, Inc.</u>

PARAMETER		METHOD
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00	8270
Cadmium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Lead - Total	ASP00	6010
Selenium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Total Recoverable Phenolics	ASP00	420.2

"Analytical Services Protocol", New York State Department of Conservation, ASP00 June 2000.

#### NON-CONFORMANCE SUMMARY

Job#: A05-D400

SIL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

#### Sample Receipt Comments

#### A05-D400

Sample Cooler(s) were received at the following temperature(s); 11@2.0 °C All samples were received in good condition.

#### GC/MS Volatile Data

All samples were preserved to a pH less than 2.

The Volatile Holding Blank (VHB(A5D40016)) was not analyzed after all of the samples had been analyzed as per CLP SOW.

For method 8260, the recovery of 1,1-Dichloroethene in sample MW-9B Matrix Spike Duplicate exceeded QC limits. The Matrix Spike Blank recoveries are compliant.

#### GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike Blank A5B1832702, Matrix Spike MW-4A, Matrix Spike Duplicate MW-4A, and Matrix Spike Duplicate MW-9B. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The spike recovery for 2,4-Dinitrotoluene was above the method defined quality control limits in the Matrix Spike Duplicate MW-9B. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed.

The internal standard recovery for Perylene-D12 was above method defined quality control limits and the surrogate recovery for Phenol-D5 was below method defined quality control limits in the sample MW-6A due to possible matrix interference. sample was re-analyzed at a dilution with compliant results. Both sets of data will be reported.

#### Metals Data

No deviations from protocol were encountered during the analytical procedures.

#### Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer Project Manager

Date

Date: 12/14/2005 Time: 09:50:13

Dilution Log w/Code Information For Job A05-D400

Rept: AN1266R

A5D40013RI

Client Sample ID Lab Sample ID Parameter (Inorganic)/Method (Organic) Dilution Code 8270

10.00 002

Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

#### SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID		ANALYTICAL REQUIREMENTS									
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY				
MW-11A	A5D40001	ASP00	ASP00	-		ASP00		ASP00				
MW-11B	A5D40002	ASP00	ASP00	<u>-</u>	-	ASP00		ASP00				
MW-11C	A5D40003	ASP00	ASP00	-	<u>-</u>	ASP00		ASP00				
MW-12A	A5D40006	ASP00	ASP00	_	-	ASP00	<u>-</u>	ASP00				
MW-12B	A5D40007	ASP00	ASP00	-	_	ASP00	-	ASP00				
MW-2	A5D40008	ASP00	ASP00	-	_	ASP00	-	ASP00				
MW-4A	A5D40004	ASP00	ASP00	-	-	ASP00	-	ASP00				
MW-4B	A5D40005	ASP00	ASP00	-	-	ASP00	_	ASP00				
MW-6A	A5D40013	ASP00	ASP00	-	-	ASP00		ASP00				
MW-6B	A5D40014	ASP00	ASP00	_	_	ASP00	<u>-</u>	ASP00				
MW-8A	A5D40009	ASP00	ASP00	_	-	ASP00	-	ASP00				
MW-8B	A5D40010	ASP00	ASP00	-	-	ASP00	-	ASP00				
MW-9A	A5D40011	ASP00	ASP00	-	-	ASP00	-	ASP00				
MW-9B	A5D40012	ASP00	ASP00	-		ASP00	-	ASP00				

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AB NAME: SEVERN TRENT LABORATORIES, INC.							
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED		
MW-11A	WATER	11/21/2005	11/23/2005	_	11/30/2005		
MW-11B	WATER	11/21/2005	11/23/2005	-	11/30/2005		
MW-11C	WATER	11/21/2005	11/23/2005	-	11/30/2005		
MW-12A	WATER	11/21/2005	11/23/2005	-	11/29/2005		
MW-12B	WATER	11/21/2005	11/23/2005	-	11/29/2005		
MW-2	WATER	11/21/2005	11/23/2005	-	11/29/2005		
MW-4A	WATER	11/21/2005	11/23/2005	-	11/30/2005		
MW-4B	WATER	11/21/2005	11/23/2005	-	11/29/2005		
MW-6A	WATER	11/22/2005	11/23/2005	-	11/29/2005		
MW-6B	WATER	11/22/2005	11/23/2005		11/29/2005		
MW-8A	WATER	11/22/2005	11/23/2005	-	11/29/2005		
MW-8B	WATER	11/22/2005	11/23/2005	-	11/29/2005		
MW-9A	WATER	11/22/2005	11/23/2005	-	11/29/2005		
MW-9B	WATER	11/22/2005	11/23/2005	-	11/29/2005		

NYSDEC-2

#### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

#### SAMPLE PREPARATION AND ANALYSIS SUMMARY B\N-A ANALYSIS

AB NAME: SEVERN TRENT LABORATORIES, INC.						
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED	
MW-11A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-11B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-11C	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-12A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-12B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-2	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-4A	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-4B	WATER	11/21/2005	11/23/2005	11/28/2005	12/01/2005	
MW-6A	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005	
MW-6A RI	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005	
MW-6B	WATER	11/22/2005	11/23/2005	11/28/2005	12/02/2005	
MW-8A	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005	
MW-8B	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005	
MW-9A	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005	
MW-9B	WATER	11/22/2005	11/23/2005	11/28/2005	12/01/2005	

NYSDEC-3

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

### SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AD NAME: SEVERN TRENT LABORATORIES, INC.							
SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED		
MW-11A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-11B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-11C	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-12A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-12B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-2	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-4A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-4B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-6A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-6B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-8A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-8B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-9A	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		
MW-9B	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005		

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

<u>AB NAME: SEVERN TREE</u>	AB NAME: SEVERN TRENT LABORATORIES, INC.							
SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIRY CLEAN UP	DIL/CONC FACTOR			
MW-11A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-11B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-11C	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-12A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-12B	WATER	· ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-2	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-4A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-4B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-6A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-6A RI	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-6B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-8A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-8B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-9A	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			
MW-9B	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED			

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

# SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

	SEVERN TRE	NI LABUKAI	ORIES, INC.			
17	ORATORY PLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
N	/W-11A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
N	/W-11B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
M.	fW-11C	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
<u>M</u>	fW-12A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
M.	fW-12B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
	MW-2	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
N.	1W-4A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
<u></u>	/W-4B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
N	IW-6A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
N.	1W-6B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
M.	IW-8A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
N.	IW-8B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
M	TW-9A	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
M	IW-9B	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

NYSDEC-7

## GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D400	SDG/Case	
File iD	W06824	Lab ID	A5D40013
Date	12/2/2005	Client ID	MW-6A
Initial Volume (mL)	990	Injection Volume (uL)	2.00
Final Volume (mL)	1655 ELLANDER 1.0		
Dilution Factor	1.00	GPC	自然会社员发展中产于国际会经济增长 N

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
6.35	Decane	124-18-5	33.89	
7.1	Type 2		/	<u> </u>
7.17.	3-Methyl Decane	13151-34-3	113-4	(13) (13) (14) (14) (14) (15) (15)
7.49	Undecane	<u>1120-21-4</u> *	114.91	58 = 20-23-4
8,61	2,6-Dimethyl Undecane	17301-23-4	17.8 mar. = 1.00 17.8	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10
9.41	Tridecane	629-50-5	11.48	
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가 가게 하는 장막 시 <b>양한</b> 시작을 다 하는 것은 장무한 일 성기에 참소된다.		통한 보고 아니라고 옮아는 아들이가 나왔다.		
	[19] [19] [19] [19] [19] [19] [19] [19]		15、10条约400000000000000000000000000000000000	
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Alkane Types

Type 1 Type 2 Type 3 Type 4

Unknown Straight Chain Alkane Unknown Branched Alkane Unknown Cyclic Alkane Unknown Alkane

## GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D400	SDG/Case	
File ID	W06848	Lab ID	A5D40013RI
Date	12/2/2005	Client ID	MW-6A RI
Initial Volume (mL)	990	Injection Volume (uL)	2.00
Final Volume (mL)	1.0	injudent voidino (dE)	一种主要的企业可以更有的数据的。2.00 一种主要的企业可以更有的数据。这些种可能是一个
Dilution Factor	10,00	GPC	N

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L
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12.1	Type 2	and the first of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	4.37	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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	<b>并从转进上上。一个工作并被对一名</b>	<b>シウンド</b> を表して、		0
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Unknown Straight Chain Alkane

Type 1 Type 2 Type 3

Unknown Branched Alkane

Type 4

Unknown Cyclic Alkane Unknown Alkane



#### DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

#### ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

#### INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

## 18/1432

Lab Nar	me: <u>STL Buffa</u>	<u>lo</u> Contract:		_	MW-11A		
		Case No.: SAS No.:					
	: (soil/water)		Lab Sampl		7 ED4000	ı	
•			ren sanpi	e m;	ADD4000.	<u></u>	ř
Sample	wt/vol:	_ <u>5.00</u> (g/mL) <u>ML</u>	Lab File	ID:	<u>09098.RI</u>	?	<b>-</b> .
Level:	(low/med)	LOW	Date Samp	/Recv:	11/21/20	005 11/	<u>/23/2005</u>
% Moist	ure: not dec.	Heated Purge: N	Date Anal	yzed:	11/30/20	005	•
GC Colu	mn: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution	Factor:	1.00	<u>)</u> .	
Soil Ex	tract Volume:	(uL)	Soil Aliq	uot Volu	me:	(	(uL)
					•		• •
:	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/		G/L	Q	
	74-87-3	Chloromethane		_	3	J	1
	74-83-9	Bromomethane			10	ט	
	75-01-4	Vinyl chloride		i .	10	บั	
•	175-00-3	Chlomethane		1 .	10	Ū	<b>.</b>
	75-09-2	Methylene chloride			10	Ū	
	67-64-1	Acetone			10	U ·	
		Carbon Disulfide	· · · · · · · · · · · · · · · · · · ·	t	10	Ü	
	75-35-4	1,1-Dichloroethene		1	10	Ü	
	75-34-3	1,1-Dichloroethane		!	10	บ	
•	67-66-3	Chloroform			10	Ū	
		1,2-Dichloroethane				T	
	78-93-3	2-Butanone	<u></u> -		10 10	บ บ	
		1,1,1-Trichloroethane					
	56-23-5	Carbon Tetrachloride			10	U	
	75-27-4	Bromodichloromethane	<del></del>		10	U	
	78-87-5	1,2-Dichloropropane			10	U	
	10061-01-5	cis-1,3-Dichloropropene			10	U	
	79-01-6	Trichloroethene	[		10	U	i .
	124-48-1	Dibromochloromethane			10	U	
	79-00-5	1,1,2-Trichloroethane			LO	n	
	71-43-2	Penzono		_	1.0	ū	:
		trans-1,3-Dichloropropene			7	J	
	75-25-2	- Promeform			LO	U	
* .					LO	U	
	591-78-6	3-Horranone			LO	U	
	127-10-4-	z-nexalione Tetrachloroethene	[		.0	υ.	
	108-88-3				.0	U .	
	79-24-6-	1 1 2 2 Wotton - 1-1 1			.0	U	
	108_90-7	1,1,2,2-Tetrachloroethane Chlorobenzene			.0	U	<del>Samual</del> tent andersker
	1100-30-/	Chiorobenzene Ethylbenzene			.0	U	
1	100-41-4	prilytoenzene			.0	U	
	100-42-5	printelle			0	U.	
	75 71 0	Total Xylenes				υ	
	75-11-8	Dichlorodifluoromethane			•	U	
	/JJ-6J-4	Trichlorofluoromethane		. 1	0	U	

## 19/1432

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

- 1 - COTT 15 - CC 7			MW-117	7	
Lab Name: <u>STL Buffalo</u> Contr	act:		<del></del>		
Lab Code: <u>RECNY</u> Case No.:SA	S No.:	_ SDG No.:			
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID:	<u>A5D4000</u>	) <u>1</u>	
Sample wt/vol:5.00 (g/mL) ML		Lab File ID:	<u>Q9098.</u> F	R.	
Level: (low/med) <u>LOW</u>		Date Samp/Recv	: 11/21/2	2005 <u>11/</u>	23/2005
% Moisture: not dec Heated Purg	e: <u>N</u>	Date Analyzed:	11/30/2	2005	
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Facto	r: <u>1.0</u>	<u>00</u>	
Soil Extract Volume: (uL)	· · · · · · · · · · · · · · · · · · ·	Soil Aliquot V	olume:	(	uL)
CAS NO. COMPOUND		CONCENIRATION UNIT		Q	
76-13-11,1,2-Trichloro-1 156-60-5trans-1,2-Dichloro 1634-04-4Methyl-t-Butyl Et 156-59-2Cyclohexane 110-82-7Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzen 106-46-71,4-Dichlorobenzen 95-50-11,2-Dibromo-3-chlorobenzen 96-12-81,2-Dibromo-3-chlorobenzen 120-82-11,2,4-Trichlorobenzen	ne ne ne ne ne ne ne ne ne ne ne ne ne n		10 10 10 10 10 10 10 10 10 10 10	U U U U U U U U U U U U U U U U U U U	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

20/1432

Lab Name: STL Buffalo	Contract:	<del>_</del>	MW-11A
Lab Code: RECNY Case No.:	_ SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40001
Sample wt/vol: $5.00 \text{ (g/mL)}$	) <u>M</u> L	Lab File ID:	09098.RR
Level: (low/med) <u>LOW</u>	· · · · · · · · · · · · · · · · · · ·	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec		Date Analyzed:	11/30/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
Number TICs found:5		CONCENTRATION UNIT (ug/L or ug/Kg)	-
		1	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 420-56-4 3. 4. 5.	UNKNOWN FIJOROTRIMETHYL SILANE UNKNOWN ALCOHOL UNKNOWN UNKNOWN	1.55 2.06 3.69 12.35 12.42	11 8 50 5 16	J JN J J

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#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

Tab Name CIII Distale	Cloudson at		MW-11B	
Lab Name: STL Buffalo	Contract:	<del></del>	· · · · · · · · · · · · · · · · · · ·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	- -	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40002	
Sample wt/vol: 5.00 (g/mL)	<u>ML</u>	Lab File ID:	<u>09097.RR</u>	· · · · · · · · · · · · · · · · · · ·
Level: (low/med) LOW		Date Samp/Recv:	11/21/2005	11/23/2005
% Moisture: not dec Heate	d Purge: <u>N</u>	Date Analyzed:	11/30/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (	mm)	Dilution Factor	: 1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vo	lume:	(uL)
CAS NO. COMPOUND	•	ONCENIRATION UNITS (ug/L or ug/Kg)		Q
74-87-3Chloromethan 74-83-9Bromomethan 75-01-4Vinyl chlor 75-00-3Chloroethan	e ide e		10 U 10 U 10 U 10 U	
75-09-2Methylene c 67-64-1Acetone 75-15-0Carbon Disu 75-35-41,1-Dichlor 75-34-31,1-Dichlor	lfide		10 U 10 U 10 U 10 U 10 U	,
67-66-3Chloroform   107-06-21,2-Dichloro   78-93-32-Butanone	pethane	- [	10 U 10 U 10 U	
71-55-61,1,1-Trich 56-23-5Carbon Tetra 75-27-4Bromodichlor 78-87-51,2-Dichlor	achloride romethane		10 U 10 U 10 U	
10061-01-5cis-1,3-Did   79-01-6Trichloroet    124-48-1Dibromochlor	nloropropene nene romethane		10 U 10 U 10 U	
79-00-51,1,2-Trich	loroethane	Ì	10 U	

71-43-2----Benzene

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7-----Chlorobenzene

100-41-4----Ethylbenzene

1330-20-7----Total Xylenes

108-88-3----Toluene

100-42-5----Styrene

10061-02-6---trans-1,3-Dichloropropene

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

108-10-1----4-Methyl-2-pentanone

127-18-4-----Tetrachloroethene

	•		MW-11	2	
Lab Name: <u>STL Buffalo</u> Contra	ict:	-	1.114 - 1.11	- 	
Lab Code: <u>RECNY</u> Case No.: SAS	. No.:	SDG No.:			
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID	: <u>A5D4000</u>	)2	
Sample wt/vol: $5.00$ (g/mL) ML		Lab File ID:	<u>09097.</u> F	R.	
Level: (low/med) <u>LOW</u>		Date Samp/Rec	v: <u>11/21/2</u>	2005 11/	23/2005
% Moisture: not dec Heated Purge	: <u>N</u>	Date Analyzed	<u> 11/30/2</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Facto	or: <u>1.0</u>	<u>)0</u>	
Soil Extract Volume: (uL)		Soil Aliquot V	Jolume:	(	uL)
CAS NO. COMPOUND		CENTRATION UNIT g/L or ug/Kg)	•	Q.	
76-13-11,1,2-Trichloro-1,156-60-5trans-1,2-Dichloro-1,1634-04-4Methyl-t-Butyl Ethelse-59-2Cyclohexane 108-87-2	ethene er (MIBE) hene		10 10 10 10 10 10 10 10	מממממממ	
95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chlor 120-82-11,2,4-Trichlorobenz	e e ropropane		10 10 10 10	บ บ บ	
79-20-9Methyl acetate			10	17	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 23/1432

						]	MW-11B	-
Lab Name	: STL Buffa	<u>alo</u>	Contract:			L	······································	
Lab Code	: RECNY	Case No.:	SAS No.:		SDG No.:			
Matrix:	(soil/wate	r) <u>WATER</u>			Lab Sampi	le ID:	A5D40002	<del>-</del>
Sample wi	t/vol:	<u>5.00</u> (g/m	L) <u>ML</u>		Lab File	ID:	<u>09097.RR</u>	<del></del>
Level:	(low/med)	LOW	•		Date Sam	o/Recv:	11/21/200	5 11/23/2005
% Moistu	re: not de	C			Date Ana	lyzed:	11/30/200	<u>5</u>
GC Column	n: <u>DB-624</u>	ID: 0.25	(mm)		Dilution	Factor:	1.00	
Soil Ext	ract Volum	e: (uL)		÷	Soil Alid	quot Vol	ume:	(uL)
Number T	(Cs found:	0		· . (	CONCENTRAT (ug/L or t			
	CAS	NO.	Compound Name		RT	Est.	Conc.	2
-								

Lab Nan	me: <u>STL Buffa</u>	<u>lo</u> Contract:	* *	MW-11C	
		Case No.: SAS No.:			
				<del></del>	•
Matrix:	(soil/water)	WATER	Lab Sample ID:	A5D40003	
Sample	wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:	09096.RR	<del></del>
Level:	(low/med)	LOW	Date Samp/Recv:	11/21/2005 1	1/23/2005
% Moist	ure: not dec.	Heated Purge: N	Date Analyzed:	11/30/2005	
3C Colu	mn: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	: 1.00	v.
Soil Ex	tract Volume:	(uL)	Soil Aliquot Vo	lume:	(ဎL)
•		•			
_	CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		
	74-87-3	Chloromethane		3 Ј	
		Bromomethane		10 U	
		Vinyl chloride		10 U	
	75-00-3	Chloroethane		10 U	
	75-09-2	Methylene chloride		10	
	67-64-1	Acetone		10 U	
	75-15-0	Carbon Disulfide		10 U	İ
		1,1-Dichloroethene	-	10 U	, .
	75-34-3	1,1-Dichloroethane		10 U	-
	67-66-3	Chloroform			İ
	107-06-2	1,2-Dichloroethane			
	78-93-3	2-Butanone		10 U	
		1,1,1-Trichloroethane		10 U	
	71-33-0-4	Carbon Tetrachloride		10 U	
	75 27 4	carbon letrachtoride		10 U	
	70 07 5	Bromodichloromethane		10 U	
	70-07-5	1,2-Dichloropropane		10 U	'
•	10091-01-2	cis-1,3-Dichloropropene	<u> </u>	10 U	
	·	Trichloroethene		10 U	
		Dibromochloromethane		10 U	
•	79-00-5	1,1,2-Trichloroethane		10 U	
	71-43-2			7 J	
	10061-02-6	trans-1,3-Dichloropropene		ט ט	
	75-25-2	Bromoform		10 ປັ	
	108-10-1	4-Methyl-2-pentanone		10 U	
	591-78-6	2-Hexanone		10 U	
		Tetrachloroethene		10 Ü	
	108-88-3	Toluene		10 U	1
		1,1,2,2-Tetrachloroethane		10	
	108-90-7	Chlorobenzene		- 1	·   · · · · · · · · · · · · · · · · · ·
	100-41-4	Ethylbenzene		10 U	
	100-42-5	Stymene		10 U	
	1330-20-7	Styrene Total Xylenes		10 U	1
	75_71_0	Dichlorodifluoromethane		10 U	
,	75. 60 4	The children flower and		10 ប្រ	
	/コーロブー生ー・・・・・	Trichlorofluoromethane	<u> </u>	10 U	
-				I	1

## 25/1432

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tale Name (MIII Traffal)	MW-11C
Lab Name:   STL Buffalo   Contract	
Lab Code: <u>RECNY</u> Case No.: SAS N	Vo.: SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40003
Sample wt/vol: 5.00 (g/mL) ML	Leb File ID: <u>Q9096.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge:	N Date Analyzed: <u>11/30/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane	Thene
120-82-11,2,4-Trichlorobenze	propane 10 U

## 26/1432

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: SIL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40003
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>Q9096.RR</u>
Level: (low/med) <u>IOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: not dec	Date Analyzed: <u>11/30/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: _5	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
$\cdot$	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 420-56-4 3. 4. 5.	UNKNOWN FILOROTRIMETHYL SILANE UNKNOWN ALCOHOL UNKNOWN UNKNOWN	1.55 2.06 3.69 12.35 12.42	10 8 51 5 16	J J J J

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#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

T. I. M. Comp. D. (Co.)	MW-12A	
Lab Name: STL Buffalo Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID: A5D40006	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>Q9082.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/200</u>	<u>0!</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/29/2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	
74-87-3Chloromethane 74-83-9Bromomethane 75-01-4Vinyl chloride 75-00-3Chloroethane 75-09-2Methylene chloride 67-64-1	10 U U 10 U U 10 U U U U U U U U U U U U	

75-25-2----Bromoform

591-78-6----2-Hexanone

108-90-7-----Chlorobenzene

1330-20-7----Total Xylenes

100-41-4----Ethylbenzene

108-88-3----Toluene

100-42-5----Styrene

108-10-1----4-Methyl-2-pentanone

79-34-5----1,1,2,2-Tetrachloroethane

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

127-18-4----Tetrachloroethene

## 28/1432

Lab Name: <u>STL Buffalo</u>	Contract:		MW-12A
Lab Code: <u>RECNY</u> Case N	<del></del> -		
Matrix: (soil/water) WATE	<u>R</u>	Lab Sample ID:	A5D40006
Sample wt/vol: 5.	00 (g/mL) <u>ML</u>	Lab File ID:	09082 .RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec	Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Volum	me: (uL)
CAS NO. CON	1POUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>g/L</u> Q
156-60-5tra 1634-04-4Met 156-59-2Cyc 110-82-7Met 106-93-41,2 98-82-8Isc 541-73-11,4 95-50-11,2 96-12-81,2 120-82-11,2	hylcyclohexane -Dibromoethane propylbenzene -Dichlorobenzene -Dichlorobenzene		U U U U U U U U U U U U U U U U U U U

## 29/1432

# DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name	: STL Buffalo	Contract:	<del>-</del>		MW-12A		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:				
Matrix:	(soil/water) WATER		Lab Samp	le ID:	A5D400	06	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID:	<u>09082.</u>	RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	11/21/	2005 <u>1</u>	1/23/2005
% Moistu	re: not dec.	<del>-</del>	Date Ana	lyzed:	11/29/	2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:	1.	00	
Soil Exti	Soil Extract Volume: (uL)		Soil Alio	quot Vol	ume:		(uL)
Number T	ICs found: <u>1</u>		CONCENTRAT:			<del>.</del>	
	CAS NO.	Compound Name	RT	Est.	Conc.	Q.	
	1.	OXYGENATED COMPOUND	2.88		10	J	

Client No.

Lab Name: SIL Buffalo Contract:		MW-12B
Lab Name: SIL Buffalo Contract:	Market Mary M	<u> </u>
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Iab Sample ID:	A5D40007
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	09081 .RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volum	me: (uL)
	CENIRATION UNITS: g/L or ug/Kg) <u>U</u>	
74-87-3		0 U U U U U U U U U U U U U U U U U U U

79-34-5----1,1,2,2-Tetrachloroethane

108-90-7----Chlorobenzene

100-41-4-----Ethylbenzene\_ 100-42-5-----Styrene\_

1330-20-7----Total Xylenes

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

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## 31/1432

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

				MW-12B		
Lab Name: <u>S</u>	TL Buffalo	Contract:	<del></del>	L		<u></u>
Lab Code: R	ECNY Case No.:	_ SAS No.:	SDG No.:			
Matrix: (so	il/water) <u>WATER</u>		Lab Sample ID:	A5D40007	7	
Sample wt/v	ol: <u>5.00</u> (g/m	L) <u>ML</u>	Lab File ID:	<u>09081.RF</u>	3	
Level: (lo	ow/med) <u>LOW</u>		Date Samp/Recv	: 11/21/20	005 11/2	3/2005
% Moisture:	not dec Heat	ted Purge: <u>N</u>	Date Analyzed:	11/29/20	) <u>05</u>	
GC Column: ]	DB-624 ID: <u>0.25</u>	(mm)	Dilution Facto	r: <u>1.00</u>	2	
Soil Extrac	t Volume: (uL)		Soil Aliquot V	olume:	(ນ	L)
CA:	S NO. COMPOUND		CONCENTRATION UNIT (ug/L or ug/Kg)		Q	
156 163 110 106 106 98- 543 106 95-	-13-11,1,2-Tric 6-60-5trans-1,2 34-04-4Methyl-t-1 6-59-2Cyclohexar 8-87-2Methylcyc 6-93-41,2-Dibror -82-8Isopropyll 1-73-11,3-Dichlo 6-46-71,4-Dichlo -50-11,2-Dibror 0-82-11,2,4-Tric	-Dichloroethene Butyl Ether (MIBE) ichloroethene ne lohexane moethane penzene probenzene probenzene probenzene probenzene mo-3-chloropropane		10 10 10 10 10 10 10 10 10 10 10	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
اسم	00 0 34 13 7			3.0	îtt i	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 32/1432

Tab Nama, CON Proffesion C			MW-12B	
Lab Name: STL Buffalo Co	ontract:	_	-	
Lab Code: REXCNY Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40007	-
Sample wt/vol: $5.00 \text{ (g/mL)} \underline{\text{M}}$	<u>1T.</u>	Lab File ID:	<u>09081.RR</u>	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005	11/23/2005
% Moisture: not dec		Date Analyzed:	11/29/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm	n) ·	Dilution Factor:	1.00	•
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:	(uL)
Number TICs found: _0		CONCENTRATION UNIT (ug/L or ug/Kg)		
CAS NO. C	onpound Name	RT Est.	Conc. Q	

Client No.

			MW-2
Lab Name: <u>STL Buffalo</u>	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	-	Lab Sample ID:	A5D40008
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>ML</u>	Lab File ID:	09080.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec Heated	l Purge: <u>N</u>	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

## CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q	
74-87-3	Chloromethane		10	σ	
74-83-9	Bromomethane		10	U	
75-01-4	Vinyl chloride		10	\U -	
	Chloroethane		10	U	
75-09-2	Methylene chloride		10	U	
67-64-1			-10	U	
75-15-0	Carbon Disulfide	· ·	10	U	
	1,1-Dichloroethene		10	U .	
75-34-3	1,1-Dichloroethane		10	U	
67-66-3	Chloroform		10	<b>U</b>	
107-06-2	1,2-Dichloroethane		10	U	
78-93-3	2-Butanone		1.0	Ü.	
71-55-6	1,1,1-Trichloroethane		10	U	
56-23-5	Carbon Tetrachloride	-	10	ប	
75-27-4	Bromodichloromethane		10	U	
	1,2-Dichloropropane	_	10	U .	
10061-01-5	cis-1,3-Dichloropropene		10	U	
	Trichloroethene		1.0	U	
	Dibromochloromethane		10	U	
79-00-5	1,1,2-Trichloroethane		10	U	l
71-43-2	Benzene		7	[J	
10061-02-6	trans-1,3-Dichloropropene		10	U	
75-25-2			10	Π	
108-10-1	4-Methyl-2-pentanone		10	U	
	2-Hexanone		10	U	
	Tetrachloroethene		10	U	
108-88-3			10	U	1
	1,1,2,2-Tetrachloroethane		10	. U	
	Chlorobenzene		39		
	Ethylbenzene		10	U-	Ì
100-42-5			10 -	U	-
	Total Xylenes		10	U	
	Dichlorodifluoromethane		10	Ū	
75-69-4	Trichlorofluoromethane		. 10	Ū.	
	······································				_

## 34/1432

Lab Name: STL Buffalo Contract:	MW-2
Lab Code: RECNY Case No.: SAS No.: SDG No.	: <u></u>
Matrix: (soil/water) WATER Lab Samp	le ID: <u>A5D40008</u>
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{ML}$ Lab File	ID: <u>Q9080.RR</u>
Level: (low/med) <u>LOW</u> Date Sam	p/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N Date Ana	lyzed: <u>11/29/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution	Factor: 1.00
Soil Extract Volume: (uL) Soil Alia	quot Volume: (uL)
CAS NO. COMPOUND CONCENTRATION (ug/L or ug/	n units: /kg) <u>ug/l</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9	_ 10 U

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 35/1432

Client No.

Lab Name	: STL Buffalo	Contract:			MW-2 	-	
		.: SAS No.:					
Matrix:	(soil/water) <u>WATER</u>		Lab Samp	le ID:	A5D4000	08	
Sample w	t/vol: <u>5.0</u> 0	0 (g/mL) <u>ML</u>	Lab File	ID:	<u>09080.</u> I	RR	· .
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv:	11/21/2	2005 1	1/23/2005
% Moistu	re: not dec.	<u>.</u>	Date Ana.	lyzed:	11/29/2	2005	•
GC Colum	n: <u>DB-624</u> ID	:_0.25 (mm)	Dilution	Factor:	1.0	00	
Soil Ext	ract Volume:	(uL)	Soil Alio	quot Voli	ume:		(uL)
Number Ti	ICs found: 2		CONCENTRAT: (ug/L or )			• •	
	CAS NO.	Compound Name	RT	Est. (	Conc.	Q	
	1. 75-45-6	CHLORODI FLUOROMETHANE	1.63	•	7	JN	

TRIMETHYLBENZENE ISOMER

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## 36/1432

Name: STL Buffalo Contract:		MW-4A	····	
Code: RECNY Case No.: SAS No.:				
Cabo No.:	DIG NO.:	—	•	
ix: (soil/water) WATER	Lab Sample ID:	A5D40004	<u>1</u>	
le wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	<u>09093 . RI</u>	3	
l: (low/med) <u>LOW</u>	Date Samp/Recv	: 11/21/20	)05 <u>11/</u>	<u>'23/2005</u>
sture: not dec Heated Purge: N	Date Analyzed:	11/30/20	)05	
olumn: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	c: <u>1.0</u> 0	<u>)</u> .	
Extract Volume: (uL)	Soil Aliquot Vo	olume:	(	uL)
	CONCENTRATION UNITS	Z.		
CAS NO. COMPOUND	(ug/L or ug/Kg)		Q	
74-87-3Chloromethane		1	J	]
74-83-9Bromomethane		10	U	
75-01-4Vinyl chloride		10	U	
75-00-3Chloroethane		10	Ū.	
75-09-2Methylene chloride		10	U	
67-64-1Acetone		10	lŪ	İ.
75-15-0Carbon Disulfide		10	U	
75-35-41,1-Dichloroethene		10	บ	
75-34-31,1-Dichlorcethane		10	Ü	
67-66-3Chloroform		10	υ	
107-06-21,2-Dichloroethane			บ	-
78-93-32-Butanone		10	. 1 -	
71-55-61,1,1-Trichloroethane	·	10	U	
56-23-5Carbon Tetrachloride		10	U	
75-27-4Bromodichloromethane		10	U	
		10	U	
78-87-51,2-Dichloropropane	<u>-</u>	10	U	
10061-01-5cis-1,3-Dichloropropene		10	U	
79-01-6Trichloroethene	<u> </u>	10	υ	
124-48-1Dibromochloromethane		10	σ	
79-00-51,1,2-Trichloroethane	· ·	10	U	
71-43-2Benzene		3	J	1
10061-02-6trans-1,3-Dichloropropene		10	U	
75-25-2Bromoform		10	U	
108-10-14-Methyl-2-pentanone		10	U	
591-78-62-Hexanone		10	U.	
127-18-4Tetrachloroethene		10	ប	
108-88-3Toluene		10	บั	
79-34-51,1,2,2-Tetrachloroethane		10	Ū.	
108-90-7Chlorobenzene		10	Ū	,
100-41-4Ethylbenzene		10	U	
100-42-5Styrene		10	ט	
1330-20-7Total Xylenes			n D	
75-71-8Dichlorodifluoromethane		10 10	Ū.	
75-69-4Trichlorofluoromethane	· · · · · · · · · · · · · · · · · · ·	10	Ü	

## 37/1432

Lab Name: STL Buffalo Contr			MW-	4A	
tab Name: Sin Bullato Coller	acu:				
Lab Code: RECNY Case No.: SA	s No.:	SDG No.: _			
Matrix: (soil/water) <u>WATER</u>		Lab Sample	ID: <u>A5D4</u> 0	0004	:
Sample wt/vol:		Lab File II	): <u>0909</u> :	3.RR	<b>-</b>
Level: (low/med) <u>LOW</u>		Date Samp/F	lecv: <u>11/2</u>	<u>1/2005</u> 11,	/23/200 <u>5</u>
% Moisture: not dec Heated Purg	e: <u>N</u>	Date Analyz	æd: <u>11/3</u> 0	0/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Fa	ctor:	1.00	
Soil Extract Volume: (uL)		Soil Alique	ot Volume: _		(uL)
CAS NO. COMPOUND		CONCENTRATION U (ug/L or ug/Kg		_ · Q	
76-13-11,1,2-Trichloro-1 156-60-5trans-1,2-Dichloro 1634-04-4Methyl-t-Butyl Etl 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzer 106-46-71,4-Dichlorobenzer 95-50-11,2-Dichlorobenzer	pethene ner (MIBE) Thene ne		10 10 10 10 10 10 10 10 10 10	ם ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
120-82-11,2,4-Trichlorober 79-20-9Methyl acetate			10 10	ប	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name	: STL Buffalo	Contract:	-		M	W-4A		
	•	o.: SAS No		SDG No.:	····			
Matrix:	(soil/water) WATE	<u>R</u>		Lab Samp	le ID: 2	45D4000	4	
Sample w	vt/vol:5.	00 (g/mL) <u>ML</u>	•	Lab File	D: g	09093.R	R	······································
Level:	(low/med) <u>LOW</u>	-	-	Date Sam	p/Recv: <u>1</u>	1/21/2	005	11/23/2005
% Moistu	re: not dec	<u> </u>		Date Anal	lyzed: <u>1</u>	1/30/2	<u>005</u>	
GC Colum	n: <u>DB-624</u> II	D: <u>0.25</u> (mm)		Dilution	Factor:	1.0	<u>0</u>	
Soil Ext	ract Volume:	(uL)		Soil Alio	quot Volum	ne:		(uL)
Number T	ICs found: <u>1</u>			CONCENTRATI (ug/L or u				. '
	CAS NO.	Compound 1	Vame	RT	Est. Co	nc.	Q	
	1.	UNKNOWN		1.55		18		=

Client No.

Lab Name: STL Buffalo	Contract:		MW-4B
Lab Code: RECNY Case No.: _			
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40005
Sample wt/vol: $5.00$ (g	/mL) <u>ML</u>	Lab File ID:	<u>0</u> 9083.RR
Level: (low/med) <u>LOW</u>	:. -	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec H	eated Purge: N	Date Analyzed:	11/29/2005
GC Column: DB-624 ID: 0.	<u>25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (u	L <b>)</b>	Soil Aliquot Volu	ume: (uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/LQ 74-87-3-----Chloromethane 10 U 74-83-9-----Bromomethane U 10 75-01-4-----Vinyl chloride U 10 75-00-3-----Chloroethane U 10 75-09-2----Methylene chloride U 10 67-64-1----Acetone U 10 75-15-0-----Carbon Disulfide 10 U 75-35-4-----1,1-Dichloroethene 10 U 75-34-3-----1,1-Dichloroethane 10 U 67-66-3-----Chloroform 10 17 107-06-2----1,2-Dichloroethane U 10 78-93-3----2-Butanone U 10 71-55-6----1,1,1-Trichloroethane 10 U 56-23-5-----Carbon Tetrachloride U 10 75-27-4-----Bromodichloromethane 10 U 78-87-5-----1,2-Dichloropropane 10 U 10061-01-5---cis-1,3-Dichloropropene 10 U 79-01-6----Trichloroethene 10 IJ 124-48-1----Dibromochloromethane U 10 79-00-5-----1,1,2-Trichloroethane 10 IJ 71-43-2----Benzene U 10 10061-02-6---trans-1,3-Dichloropropene 10 U 75-25-2-----Bromoform Ū 10 108-10-1----4-Methyl-2-pentanone U 10 591-78-6----2-Hexanone U 10 127-18-4----Tetrachloroethene 10 U 108-88-3----Toluene 1.0 IJ 79-34-5----1,1,2,2-Tetrachloroethane 10 U. 108-90-7----Chlorobenzene 10 U 100-41-4----Ethylbenzene 10 U 100-42-5----Styrene 10 U 1330-20-7----Total Xylenes U 10 75-71-8----Dichlorodifluoromethane U 10 75-69-4-----Trichlorofluoromethane

Lab Name: SIL Buffalo Contract:		MW-4B
Lab Code: RECNY Case No.: SAS No.:		· · · · · · · · · · · · · · · · · · ·
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40005
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>0</u> 9083.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	ume: (uL)
CAS NO. COMPOUND	ONCENIRATION UNITS: (ug/L or ug/Kg)	<u>JG/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluor 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2Cyclohexane 108-87-2Methylcyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 U U U U U U U U U U U U U U U U U U U

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 41/1432

Lab Name: STL Buf	falo	Contract:				MW-4B		
	•	sas no.:		DG No.: .				
Matrix: (soil/wat	er) <u>WATER</u>			Lab Samp	le ID:	A5D4000	5	
Sample wt/vol:	<u>5.00</u> (g/m]	:) <u>ML</u>		Lab File	D:	09083.R	<u>R</u>	
Level: (low/med	) LOW			Date Sam	p/Recv:	11/21/2	<u>005</u> <u>1</u>	1/23/2005
% Moisture: not d	ec			Date Ana	lyzed:	11/29/2	<u>005</u>	
GC Column: <u>DB-624</u>	ID: <u>0.25</u>	(mm)	:	Dilution	Factor:	1.0	<u>o</u>	•
Soil Extract Volum	me: (uL)			Soil Alie	quot Vol	ume:		(uL)
Number TICs found	: <u>0</u>			NCENTRAT ug/L or 1		s: <u>ug/l</u>		
CA	S NO.	Compound Name		RT ·	Est.	Conc.	Q	
								].

Lab Name: <u>STL Buffalo</u> Contra	MW-6A
Lab Code: <u>RECNY</u> Case No.: SAS	S No.: SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: A5D40013
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>Q9073.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
Moisture: not dec Heated Purge	: <u>N</u> Date Analyzed: <u>11/29/2005</u>
SC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane	1 J
74-83-9Bromomethane	10 17
75-01-4Vinyl chloride	10 U
1/5-00-3('ntomethane	1 7 1
75-09-2Methylene chloride	1.0
07-64-IACELONE	10 U
75-15-0Carbon Disulfide	10 U
75-35-41,1-Dichloroethene	10 U
75-34-31,1-Dichloroethane	10 U
67-66-3Chloroform	10 U
107-06-21,2-Dichloroethane	10 U
78-93-32-Butanone	10 [1]
71-55-61,1,1-Trichloroetha	ne 10 II
56-23-5Carbon Tetrachloric	le 10 III
75-27-4Bromodichloromethan	ne 10 II
78-87-51,2-Dichloropropane	10 II
10061-01-5cis-1,3-Dichloropro	pene 10 U
79-01-6Trichloroethene	10 U
124-48-1Dibromochloromethan	e 10 IT
79-00-51,1,2-Trichloroetha	ne 10 U
71-43-2Benzene	8 1
10061-02-6trans-1,3-Dichlorop	ropene 10 U
75-25-2Bromoform	10
108-10-14-Methyl-2-pentanon	e 10 U
591-78-62-Hexanone	10 U
127-18-4Tetrachloroethene	10 U
108-88-3Toluene	10 17
79-34-51,1,2,2-Tetrachloro	ethane 10 U
108-90-7Chlorobenzene	10 U
100-41-4Ethylbenzene	2 J
100-42-5Styrene	10 U
1330-20-7Total Xylenes	10 U
75-71-8Dichlorodifluorometh	nane 10 U
75-69-4Trichlorofluorometha	ane 10 U

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## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:		MW-6A
ran ware: prin purrato contract:		•
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5D40013
Sample wt/vol:	Lab File ID:	Q9073.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:(uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>rg/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluor 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene		10 U U U U U U U U U U U U U U U U U U U
79-20-9Methyl acetate		10 U

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: STL Buffalo Co	ontract:		MW-6A		
Lab Code: RECNY Case No.:		SDG No.: _		•	
Matrix: (soil/water) WATER		Iab Sampl	e ID: <u>A5D400</u>	13	
Sample wt/vol:	<u> </u>	Lab File	ID: <u>09073.</u>	RR	
Level: (low/med) <u>LOW</u>		Date Samp	/Recv: <u>11/22/</u>	2005 1	1/23/2005
% Moisture: not dec.		Date Anal	yzed: <u>11/29/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm	n)	Dilution	Factor: 1.	<u>00</u>	
Soil Extract Volume: (uL)	et en la disconsiste	Soil Aliq	uot Volume:	· · · · · · · · · · · · · · · · · · ·	(uL)
Number TICs found: 2		CONCENTRATION (ug/L. or u	ON UNITS: g/Kg) <u>UG/L</u>		
CAS NO.	ompound Name	RT	Est. Conc.	Q	
1. UNKNOWN A		3.69	1.7		

Lab Name: <u>STL Buffalo</u>	Contract:	MW-6B
mer houses but nortand	Conclace.	
Lab Code: <u>RECNY</u> Cas	e No.: SAS No.: SDG No.: _	
Matrix: (soil/water) $\underline{W}$	ATER Lab Sample	ID: <u>A5D40014</u>
Sample wt/vol: _	5.00 (g/mL) ML Lab File ID	: <u>09072.RR</u>
Level: (low/med) <u>L</u>	OW Date Samp/Re	ecv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: not dec	Heated Purge: <u>N</u> Date Analyze	ed: <u>11/29/2005</u>
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm) Dilution Fac	etor: <u>1.00</u>
Soil Extract Volume: _	(uL) Soil Aliquo	Volume:(uL)
CAS NO.	CONCENTRATION UT COMPOUND (ug/L or ug/Kg)	
74-83-9 75-01-4 75-00-3	-Vinyl chloride -Chloroethane	10 U, 10 U 10 U 10 U
67-64-1 75-15-0 75-35-4 75-34-3 67-66-3		10 U U U U U U U U U U U U U U U U U U U
78-93-3 71-55-6 56-23-5 75-27-4	-1,1,1-Trichloroethane -Carbon Tetrachloride -Bromodichloromethane	10 U U U U U U U U U U U U U U U U U U U
10061-01-5 79-01-6 124-48-1 79-00-5	-1,2-Dichloropropane -cis-1,3-Dichloropropene -Trichloroethene -Dibromochloromethane -1,1,2-Trichloroethane	10 U U U U U U U U U U U U U U U U U U U
75-25-2 108-10-1 591-78-6	trans-1,3-Dichloropropene Bromoform 4-Methyl-2-pentanone 2-Hexanone	10 U U 10 10 U U 10 U U 10 U U U U U U U
108-88-3 79-34-5 108-90-7	1,1,2,2-Tetrachloroethane Chlorobenzene	10 U U U U U U U U U U U U U U U U U U U
100-41-4 100-42-5 1330-20-7 75-71-8	Styrene	10 U U U U U U U U U U U U U U U U U U U
	Trichlorofluoromethane	10 U

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## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

	MW-6B	
Iab Name:   STL Buffalo   Contract:		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40014	
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>Q9072.RR</u>	. · · · · · · · · · · · · · · · · · · ·
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11</u>	/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/29/2005</u>	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00	•
Soil Extract Volume: (uL)	Soil Aliquot Volume:	(uL)
	ONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q	* • • • • • • • • • • • • • • • • • • •
	(ug/L or ug/Kg)     UG/L     Q       cethane     10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U       10     U <td< td=""><td></td></td<>	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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e 1 12	CTT TO LEC		<b>a</b>					MW-6B		
Lab Name	: SIL BUII	aro	Con	tract:		•				
Lab Code	: RECNY	Case No		SAS No.:		SDG No.:	<del></del>			
Matrix:	(soil/wate	r) <u>WATER</u>				Lab Samp	le D:	A5D400	<u> 14</u>	
Sample w	t/vol:	5.00	Q (g/mL) <u>ML</u>	·		Lab File	ID:	Q9072.I	RR	· <del></del>
Level:	(low/med)	LOW	· .	•	-	Date Sam	o/Recv:	11/22/2	2005	11/23/2005
% Moistu	re: not de	c	-			Date Ana	lyzed:	11/29/2	2005	
GC Column	n: <u>DB-624</u>	ID:	. <u>0.25</u> (mm)			Dilution	Factor	:1.0	<u>00</u>	
Soil Ext	ract Volum	e:	(uL)			Soil Alio	quot Vol	lume:		_ (uL)
Number T	Cs found:	0			(	ONCENTRAT (ug/L or 1			-	
	CAS	NO.	Co	mpound Name		RT	Est.	Conc.	Q	
-										]

Lab Name	e: <u>STL B</u> uffal	o Contract:		MW-8A	
		ase No.: SAS No.:			
			SDG NO		
Matrix:	(soil/water)	WATER	Lab Sample ID:	A5D40009	
Sample w	rt/vol:		Lab File ID:	<u>09079.RR</u>	., <del>-</del>
Level:	(low/med)	TOM	Date Samp/Recv:	11/22/2005 11/	/23/2005
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed:	11/29/2005	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Ext	ract Volume:	(uL)	Soil Aliquot Volu	me:	(uL)
	CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	E/L Q	
	F		(-5), = -2 -39, 1-9, =	~	7
	74-87-3	Chloromethane		ט ט	
	74-83-9	Bromomethane		10 U	
	75-01-4	Vinyl chloride		10 U	
	1/5-00-3	·Cnloroethane		10 U	
	75-09-2	Methylene chloride	***	10 U	
	67-64 <b>-</b> 1	Acetone		10 U	
		Carbon Disulfide		10 U	
	75-35-4	1,1-Dichloroethene		10 U	
	75-34-3	1,1-Dichloroethane		10 υ	
- 1	0/-00-5	·¬¬COLOMITOM		10 U	
	107-06-2	1,2-Dichloroethane		10 U	
: [	78-93-3	2-Butanone		10 U	-
		1,1,1-Trichloroethane		10 U	
	56-23-5	Carbon Tetrachloride		10 U	
ĺ	75-27-4	Bromodichloromethane		10 U	
·	78-87-5	1,2-Dichloropropane	······································	10 U	
	10061-01-5	cis-1,3-Dichloropropene		10 U	
	79-01-6	Trichloroethene	·	10 U	
		Dibromochloromethane			1
		1,1,2-Trichloroethane		10 U 10 U	
,	71-43-2	Ponzono		i -	
	10061-02-6	trans-1,3-Dichloropropene		10 U	
[;	75-25-2	Promoform	<del></del>	10 U	
	108_10_1	BLAIDIOIII 4-Methyl-2-pentanone		10 U	•
	591-78-6	2 Horranana		10 U	
		z-nexanone Tetrachloroethene		10 U	
	12 <i>1-</i> 18-4 108-88-3		<del></del>	ט ט	
			i	10 <u>U</u>	
	12-34-3 100 00 7	1 1,2,2-Tetrachloroethane		10 U	1 2
	100-30-7	Chlorobenzene		10 U	i
	LUU~41~4~~~	Ethylbenzene		10 U	
	100-42-5	-styrene		10 U	
[3	L330-20-7	-Total Xylenes_		10 U	
		-Dichlorodifluoromethane		10 U	
- 17	/5-69-4 <b>-</b> -	-Trichlorofluoromethane	1	10 . {tt	ļ .

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er . 1. 137	down that I -	Garata ant		MW-8	RA.	
Tad Nams	: STL Buffalo	Contract:		<b>-</b>		
Lab Code	: <u>RECNY</u> Case	No.: SAS No.:	SDG No.: _	<u>-</u>		
Matrix:	(soil/water) WA	ATER	Lab Sample	ID: <u>A5D40</u>	0009	
Sample w	t/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID	): <u>0</u> 9079	RR.	
Level:	(low/med) <u>IC</u>	 	Date Samp/R	ecv: <u>11/22</u>	<u>/2005</u> 11,	<u>/23/2005</u>
% Moistu	re: not dec	Heated Purge: N	Date Analyz	ed: <u>11/29</u>	/2005	•
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Fa	ctor: 1	00	
Soil Ext:	ract Volume: _	(uL)	Soil Aliquo	t Volume: _	·	(uL)
			CONCENTRATION U	NITS:		
,	CAS NO.	COMPOUND	(ug/L or ug/Kg		Q	· 
	76-13-1	1,1,2-Trichloro-1,2,2-trifluo	proethane	10	U	
	156-60-5	trans-1,2-Dichloroethene		10	. ע	
	12024 04 4	Mother t District District		10	U	
	156-59-2	cis-1,2-Dichloroethene		10	ָ ט	
				10	U	
	108-87-2	Methylcyclohexane		10	ע	
•	106-93-4	1,2-Dibromoethane		10	ט	
	98-82-8	Isopropylbenzene		10	u	
	541-73-1	1,3-Dichlorobenzene		10	ש	
		1,4-Dichlorobenzene		10	. ט	
		1,2-Dichlorobenzene		10	ש	
		1,2-Dibromo-3-chloropropane		10	U	
		1 O 4 Merical analyses		10	ש	
		Methyl acetate		10	υ	
	<u> </u>			····		<del></del>

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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Lab Name: STL Buffalo	Combine		MW-8A		
LED MAILE. SILL BULLATO	COILLACL:		· · · · · · · · · · · · · · · · · · ·		<del></del>
Lab Code: RECNY Case No.: _	SAS No.:	SDG No.: _	<del></del>		
Matrix: (soil/water) WATER		Lab Sample	D: <u>A5D400</u>	09	
Sample wt/vol: 5.00 (g	ml) <u>Ml</u>	Lab File 1	D: <u>Q9079</u> .	RR ·	<u> </u>
Level: (low/med) LOW		Date Samp	Recv: <u>11/22/</u>	<u> 2005 1</u>	1/23/2005
% Moisture: not dec		Date Analy	zed: <u>11/29/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.2</u>	5 (mm)	Dilution E	actor: <u>1.</u>	<u>00</u>	. •
Soil Extract Volume: (uI	n)	Soil Aliqu	ot Volume:		(UL)
Number TICs found:0		CONCENTRATIO (ug/L or ug	N UNITS: 1/Kg) <u>UG/L</u>	·	
CAS NO.	Compound Name	RT	Est. Conc.	Q	-

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

			MW-8B	
Lab Name: <u>STL Buffalo</u>	Contract:		<u> </u>	
Lab Code: <u>RECNY</u> Case No.:	_ SAS No.:	SDG No.:		
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40010	
Sample wt/vol: $5.00$ (g/mL	) <u>ML</u>	Lab File ID:	<u>Q9078.RR</u>	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005	11/23/2005
% Moisture: not dec Heat	ed Purge: <u>N</u>	Date Analyzed:	11/29/2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:	_ (uL)

### CONCENIRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg	3)	UG/L	Q	)
74-87-3	Chloromethane			10	ប	-
74-83-9	Bromomethane			10	U	
75-01-4	Vinyl chloride			10	U	.
75-00-3	Chloroethane			10	U	- 1
75-09-2	Methylene chloride			10	ָ ט	`
67-64-1				10	U	ı
75-15-0	Carbon Disulfide			10	ט	
75-35-4	1,1-Dichloroethene			10	U	
75-34-3	-1,1-Dichloroethane			10	U	İ
67-66-3	Chloroform			10	U	1
107-06-2	-1,2-Dichloroethane			10	ט	.
78-93-3	2-Butanone			10	U	ŀ
71-55-6	-1,1,1-Trichloroethane			. 10	ש	Ì
56-23-5	-Carbon Tetrachloride			10	U	- 1
75-27-4	-Bromodichloromethane			10	U	.
78-87-5	-1,2-Dichloropropane			10	U	1
10061-01-5	cis-1,3-Dichloropropene			10	U	İ
79-01-6	-Trichloroethene		·	10	U	
124-48-1	-Dibromochloromethane	·		10	U	
79-00-5	-1,1,2-Trichloroethane			10	U	•
71-43-2				10	U	- 1
10061-02-6	-trans-1,3-Dichloropropene			10	U	.
75-25-2	-Bromoform			10	U	.
108-10-1	-4-Methyl-2-pentanone			10	U	1
591-78-6	-2-Hexanone			10	U	.
127-18-4	-Tetrachloroethene			10	U	. [
108-88-3				10	U	.
79-34-5	-1,1,2,2-Tetrachloroethane		· · · · <del>· ·</del>	10	U	
	-Chlorobenzene			10	U	
100-41-4	-Ethylbenzene			10	U	- 1
100-42-5	-Styrene			10	U	
1330-20-7	-Total Xylenes			10	U	
75-71-8	-Dichlorodifluoromethane			10	U	
75-69-4	-Trichlorofluoromethane			10	U	

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

### 52/1432

Lab Name: STL Buffalo Contract:		MW-8B
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40010
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	Q9078.RR
Level: (low/med) LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
	CONCENIRATION UNITS: (ug/L or ug/Kg)	UG/L Q
76-13-11,1,2-Trichloro-1,2,2-trifluor 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2Cyclohexane 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene 79-20-9		10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U U U

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 53/1432

			MW-8B
Lab Name: STL Buffalo	Contract:	<del></del>	
Lab Code: RECNY Case N	b.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATE	R	Lab Sample ID:	<u>A5D40010</u>
Sample wt/vol: 5.	00 (g/mL) <u>ML</u>	Lab File ID:	09078.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv	: <u>11/22/2005</u> <u>11/23/200</u>
% Moisture: not dec.	· .	Date Analyzed:	11/29/2005
GC Column: <u>DB-624</u> I	D: <u>0.25</u> (mm)	Dilution Factor	s: <u>1.00</u>
Soil Extract Volume:	_ (uL)	Soil Aliquot Vo	olume: (uL)
Number TICs found: _0		CONCENTRATION UNI (ug/L or ug/Kg)	
CAS NO.	Compound Name	RT Est	. Conc. Q

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Nama	o Cha Donetala	Marshara ah		MW-9A		
TOD NOTE	: STL Buffalo	Contract:	· ·	•		,
Lab Code	e: <u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.:	. :		
Matrix:	(soil/water)	WATER	Lab Sample ID:	A5D40011	·	
Sample w	t/vol:		Lab File ID:	<u>09077.RR</u>		
Level:	(low/med)	TOM	Date Samp/Recv:	11/22/20	05 <u>11/</u>	23/2005
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed:	11/29/20	<u>05</u>	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00		
Soil Ext	ract Volume:	(uL)	Soil Aliquot Vol	ume:	(	սև)
	CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q	
		Chloromethane		10	บ	
-	74-83-9	Bromomethane		10	U	
	75-01-4	vary = carotado		10 .	U	
	1/3-00-3			10	U	
	75-09 <b>-</b> 2	Methylene chloride		10	U	
	67-64-1	Acetone	į.	10	U	
	75-15-0	Carbon Disulfide	,	10	וַַּע	
. ]	75-35-4	1,1-Dichloroethene		10	U	
	/5-34-3	r'r-prcinoloerigue		10	U	1 .
				10	U	
	107-06-2	1,2-Dichloroethane		10.	U	1. 2.
	/8-93-3	2-Butanone		10	ប	
.	71-55-6	1,1,1-Trichloroethane		10	ט	
1	I In Co. 1313 Inc.	Charchean Hottana air Lauri ala	r .	10	υ.	
	75-27-4	Carbon retractionideBromodichloromethane1.2-Dichloropropane		10	U	
	78-87-5	1,2-Dichloropropane		10	U	·
	10061-01-5	cis-1,3-Dichloropropene		10	ט	
		Trichloroethene		10	U	
İ	124-48-1	Dibromochloromethane		10	U	
	79-00-5	1,1,2-Trichloroethane		10	U .	
	71-43-2	Benzene		10	U	
	10061-02-6	-trans-1,3-Dichloropropene		10	U	
	75-25-2			10	U	
		-4-Methyl-2-pentanone		10	Ū	
	591-78-6			10	Ū	
		-Tetrachloroethene		10	Ŭ	
	108-88-3			10	Ŭ	
		-1,1,2,2-Tetrachloroethane		10	IJ	
		-Chlorobenzene		10	Ŭ	rae ar in in idea
		-Ethylbenzene		10	บ	
	100-42-5			10	Ŭ	
		-Total Xylenes			Ü	
	75-71-8	-Dichlorodifluoromethane			Ū	
]-	75 <b>-</b> 69-4	-Trichlorofluoromethane			U	
į ·	, J UJ -I	THE TOTAL CONTROLL OF THE CONTROLL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF		TO .	·	

### 55/1432

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:		MW-9A
Lab Code: RECNY Case No.: SAS No.:		4
Case 110	DLG 140.	-
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40011
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q9077.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	11/29/2005
CC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	lume: (uL)
	ONCENIRATION UNITS: (ug/L or ug/Kg)	
	(ug/L or ug/Kg) cethane	

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 56/1432

Lab Name	: STL Buffalo	Contract:		MW-9A	-	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.: _	<u>``</u>		
Matrix:	(soil/water) WATER		Lab Sampl	le ID: <u>A5D400</u>	011	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	ID: <u>09077</u>	RR	
Level:	(low/med) <u>LOW</u>	4	Date Sam	o/Recv: <u>11/22</u>	<u>/2005 1</u>	1/23/2005
% Moistu	re: not dec.	· ·	Date Anal	lyzed: <u>11/29</u> /	<u>/2005</u>	r
GC Column	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor: 1.	.00	
Soil Ext	ract Volume:	(vL)	Soil Alic	quot Volume: _		(uL)
Number T	ICs found: <u>0</u>		CONCENTRATI (ug/L or t	ON UNITS: 1g/kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

T ) 11 GUT D -88-1.	Construction of		MW-9B
Tab Name: SIT BUITALO	Contract:	<del></del>	
Lab Code: <u>RECNY</u> Case	No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WA</u>	IER ·	Lab Sample ID:	A5D40012
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:	<u>09074.RR</u>
Level: (low/med) <u>LO</u>	<u>N</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec	Heated Purge: N	Date Analyzed:	11/29/2005
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:(uL)
	. cox	CCONSTRUCTION FINTERS.	

	~~~ # # T T T T T T T T T T T T T T T T	CONCENTRATION UNIT		0
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	ט -
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
	Chloroethane		10	ט
75-09-2	Methylene chloride		10	U
67-64-1			10	ן ט
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	[U ]
75-34-3	1,1-Dichloroethane	<u> </u>	10	ן ט
	Chloroform		10	ט
	1,2-Dichloroethane		10	ן ט
78-93-3			10	ן ט
	1,1,1-Trichloroethane		10	ט [
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2			10	ט
10061-02-6	trans-1,3-Dichloropropene		10	U
.75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6			10	U
	Tetrachloroethene		10	U
108-88-3			10	ט
	1,1,2,2-Tetrachloroethane	<u> </u>	10	U
	Chlorobenzene_		10	ן שן
100-41-4	Ethylbenzene		10	ט
100-42-5	Styrene		10	U.
1330-20-7	Total Xylenes		10	U.
	Dichlorodifluoromethane		10	ע
75-69-4	Trichlorofluoromethane		. 10	U
				لحصيط

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### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tob Nome CTT Du	<u>ffalo</u> Contra	at .		MW-9B	
TWO WORKE: SID DO	trato Contra	CL:	<del>-</del>		
Lab Code: <u>RECNY</u>	Case No.: SAS	No.:	SDG No.:		
Matrix: (soil/wa	ter) <u>WATER</u>		Lab Sample ID:	A5D40012	<u> </u>
Sample wt/vol:	<u>5.00</u> (g/mL) <u>M</u> L	· .	Lab File ID:	09074.RR	,
Level: (low/me	d) <u>LOW</u>	]	Date Samp/Recv:	11/22/200	5 11/23/2005
% Moisture: not	dec Heated Purge	: <u>N</u>	Date Analyzed:	11/29/200	<u>.</u> <u>5</u>
3C Column: <u>DB-62</u>	4 ID: <u>0.25</u> (mm)	i.	Dilution Factor:	1.00	
Soil Extract Vol	ume: (uL)		Soil Aliquot Volu	me:	(uL)
CAS NO.	COMPOUND		INIRATION UNITS: /L or ug/Kg) <u>U</u>	G/L	Q
156-60-	1,1,2-Trichloro-1,2 5trans-1,2-Dichloro -4Methyl-t-Butyl Ethe	ethene	<del> </del>	10	U U
156-59-2   110-82-2	2cis-1,2-Dichloroetl 7Cyclohexane 2Methylcyclohexane	nene		10	U   U
106-93-4	l1,2-Dibromoethane			10   1	Ü
541-73-3	L1,3-Dichlorobenzene V1,4-Dichlorobenzene	<u> </u>		10  τ	ת ח
95 <b>-</b> 50-1-	1,2-Dichlorobenzene 1,2-Dibromo-3-chlor			10  τ	n n
120-82-3	1,2,4-Trichlorobenz	zene		10 T	n n

# DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 59/1432

Tab Nama	. COT Disffolo	Contract.	·	MW-9B		
Ten Name	: PIH PHILATO	Contract:				
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER		Lab Sample	ID: <u>A5D400</u>	12	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File ID	: <u>Q9074</u> .	RR	
Level:	(low/med) <u>LOW</u>		Date Samp/R	ecv: <u>11/22/</u>	<u> 2005 1</u>	1/23/2005
% Moistu	re: not dec	_	Date Analyz	ed: <u>11/29/</u>	2005	•
GC Colum	n: <u>DB-624</u> ID	:_0.25 (mm)	Dilution Fa	ctor: <u>1.</u>	00	
Soil Ext	ract Volume:	(uL)	Soil Aliquo	t Volume:		(uL)
Number T	ICs found: 0		CONCENTRATION (ug/L or ug/l		<u>-</u> :	
	CAS NO.	Compound Name	RT 1	Est. Conc.	Q	]
	_:					]

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: STL 1	<u>Buffalo</u>	Contract:		TRIP	BLANK
Lab Code: <u>RECN</u>	Case No.:				
				<del></del>	
Matrix: (soil/	water) <u>WATER</u>		Lab Sample	ID: <u>A5D400</u>	15
Sample wt/vol:	5.00 (g/mL)	<u>M.</u>	Lab File II	D: <u>09064</u> .	RR
Level: (low/n	ned) <u>LOW</u>		Date Samp/I	Recv: <u>11/22/</u>	2005 11/23/2
% Moisture: not	dec Heate	ed Purge: <u>N</u>	Date Analyz	zed: <u>11/29/</u>	<u>2005</u>
GC Column: <u>DB-6</u>	24 ID: <u>0.25</u>	(mm)	Dilution Fa	actor: 1.0	00
Soil Extract Vo	lume: (uL)		Soil Aliqua	ot Volume:	(uL)
CAS NO	. COMPOUND		CONCENTRATION ( (ug/L or ug/Ko		Q
74-83- 75-01- 75-00- 75-09- 67-64- 75-15- 75-35- 75-34- 67-66- 107-06- 78-93- 71-55- 56-23- 75-27- 78-87- 10061- 79-01-6 124-48- 79-00-5 71-43-2 10061-0 75-25-2 108-10-	3Chloromethan 4Vinyl chlor 3Chloroethan 2Methylene c 1Acetone 0Carbon Disu 41,1-Dichlor 31,1-Dichlor 31,2-Dichlor 31,1-Trich 5Carbon Tetro 5Trichloroetl 5Trichloroetl 1Benzene 2-6trans-1,3-Dic 1Bromoform 1Bromoform 1Bromoform	e ide e hloride  lfide cethene cethane  loroethane achloride romethane propane nloropropene nene conethane loroethane		10 10 10 10 10 10 10 10 10 10 10 10 10 1	ממממממממממממממממממממממממ
127-18- 108-88- 79-34-5 108-90- 100-41- 100-42- 1330-20 75-71-8	62-Hexanone 4Tetrachloroe 3Toluene1,1,2,2-Tetr 7Chlorobenzene 4Ethylbenzene 5Styrene -7Total XyleneDichlorodifl	achloroethane e s uoromethane		10 10 10 10 10 10 10 10 10	U U U U U U U U

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### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Mama, CHI Dieffala Cambinati		TRIP BLANK
Lab Name: STL Buffalo Contract:	<del></del>	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40015
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	Q9064.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec Heated Purge: $N$	Date Analyzed:	11/29/2005
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	IG/L Q
76-13-11,1,2-Trichloro-1,2,2-triflucture 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2		10 U 10 U 10 U 10 U 10 U
541-73-11,3-Dichlorobenzene		10 U 10 U 10 U 10 U

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 62/1432

Lab Nama	: STL Buffalo	Contract:		TRIP	BLANK	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	<del></del>		
Matrix:	(soil/water) WATER		Lab Sam	ole ID: <u>A5D40</u>	0015	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File	⊇ ID: <u>Q9064</u>	.RR	
Level:	(low/med) <u>LOW</u>		Date San	np/Recv: <u>11/22</u>	:/2005 <u>1</u>	1/23/2005
% Moistu	re: not dec.	-	Date Ana	alyzed: <u>11/29</u>	/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution	Factor:1	.00	
Soil Ext	ract Volume:	(uL)	Soil Ali	.quot Volume: _		(uL)
Number T	ICs found:0			TON UNITS: ug/Kg) <u>UG/L</u>	<u></u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
						<b>j</b>

Client No.

Lab Name: <u>STL Buffal</u>	O Contract:		MW-11A
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40001
Sample wt/vol:	<u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06808.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	TS: UG/L	Q
				<del>×</del>
	Benzaldehyde		10	U
108-95-2			10	ן ט
111-44-4	Bis(2-chloroethyl) ether		10	υ
95-57-8	2-Chlorophenol		10	ט
95-48-7	2-Methylphenol	•	10	ט
108-60-1	2,2'-Oxybis(1-Chloropropane	2)	10	U
98-86-2	Acetophenone		10	ן ט
106-44-5	4-Methylphenol		10	ן ט
621-64-7	N-Nitroso-Di-n-propylamine		10	ט
	Hexachloroethane		10	ט
	Nitrobenzene		10	ע
78-59-1	Isophorone		10	ן ט
88-75-5	2-Nitrophenol		10	lυ l
	2,4-Dimethylphenol		10	บิ
111-91-1	Bis(2-chloroethoxy) methane		10	Ū
120-83-2	2,4-Dichlorophenol		10	ا تا
91-20-3	Naphthalene		10	ίτι
	4-Chloroaniline		10	ן ט
87~68-3	Hexachlorobutadiene		10	ט   די
105-60-2	Caprolactam		10	Ū
59-50-7	4-Chloro-3-methylphenol		10	lii l
91-57-6	2-Methylnaphthalene		10	U
77-47-4	Hexachlorocyclopentadiene		25	U
88-06-2	2,4,6-Trichlorophenol		10	Ū
	2,4,5-Trichlorophenol		10	Ü
92-52-4	Biphenvl		10	ט
91-58-7	2-Chloronaphthalene		10	Ü
88-74-4	2-Nitroaniline		25	U U
	Dimethyl phthalate		25 10	ln l
	Acenaphthylene			1 -
	2,6-Dinitrotoluene		10	U
	3-Nitroaniline		10	U
JJ 0J 2	D. MTCTOWINTING		25	U

Lab Name: STL Buffal	o Contract:	<del></del> -	MW-11A
Lab Code: RECNY C	lase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40001
Sample wt/vol:	<u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06808.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH: <u>7.0</u>		•

<b></b>		CONCENIRATION UNI	TS:	•
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene		0.8	J
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25 25	II
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	11
84-66-2	Diethyl phthalate		10	U
7005-72-3	4-Chlorophenyl phenyl ether		10	II
86-73-7	Fluorene		10	Ü
	4-Nitroaniline		25	n
534-52-1	4,6-Dinitro-2-methylphenol		<sup></sup> 25	Ü
86-30-6	N-nitrosodiphenylamine		10	III
101-55-3	4-Bromophenyl phenyl ether		10	Ū
118-74-1	Hexachlorobenzene		10	U
1912-24-9			10	Ū
87-86-5	Pentachlorophenol		25	υ
85-01-8	Phenanthrene		1	J
120-12-7			0.6	J
86-74-8			10	U
84-74-2	Di-n-butyl phthalate		10	Ū
206-44-0	Fluoranthene		10	Ū
129-00-0	Pyrene		10	บ
85-68-7	-Butyl benzyl phthalate		10	บ็
91-94-1	3,3'-Dichlorobenzidine		10	บ
56-55-3	Benzo (a) anthracene		10	U
218-01-9	Chrysene		10	Ŭ
117-81-7	-Bis(2-ethylhexyl) phthalate		10	U
117-84-0	Di-n-octyl phthalate		10	บ
205-99-2	-Benzo(b) fluoranthene		10	U
207-08-9	-Benzo(k) fluoranthene		10	U
50-32-8- <b></b>	-Benzo (a) pyrene		10	ט
193-39-5	-Indeno(1,2,3-cd)pyrene	<del></del>	10	บ็
53-70-3	-Dibenzo (a, h) anthracene		10	U
<del>-</del>				

Lab Name: STL H	<u>Buffalo</u>	Contract:		MW-11A
Lab Code: RECN	Y Case No.:	_ :. ON RAR	SDG No.:	
Matrix: (soil/w	water) <u>WATER</u>		Lab Sample ID	<u>A5D40001</u>
Sample wt/vol:	<u>1010.0</u> (g/mL)	) <u>ML</u>	Lab File ID:	W06808.RR
Level: (low/r	med) <u>LOW</u>		Date Samp/Reco	v: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture:	decanted: (	Y/N) <u>N</u>	Date Extracted	d: <u>11/28/2005</u>
Concentrated E	xtract Volume: 1000	(uL)	Date Analyzed	: <u>12/01/2005</u>
Injection Volum	ne: 2.00 (uL)		Dilution Facto	or: <u>1.00</u>
GPC Cleanup:	(Y/N) <u>N</u> pH: <u>7.0</u>	•		•
CAS IX	O. COMPOUND		CONCENTRATION UNIT (ug/L or ug/Kg)	
191-24	1-2Benzo(ghi) r	erylene		10 U

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffal	O Contract:		, re- TT4
Lab Code: RECNY C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40001
Sample wt/vol:	<u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06808.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract	Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005

Injection Volume: 2.00 (uL)

GPC Cleanup: (Y/N) N pH:  $_{7.0}$ 

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

Date Analyzed: <u>12/01/2005</u>

Dilution Factor: 1.00

Number TICs found: 30

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.72	25	JN
2. 3302-10-1	3,5,5-TRIMETHYL HEXANOIC ACI	7.90	15	JN
3,	UNKNOWN	8.78	30	J
4.	UNKNOWN	8.86	16	J
5.	UNKNOWN	8.91	13	J
6.	UNKNOWN	8.96	34	J
7.	UNKNOWN	9.02	17	J
8.	UNKNOWN	9.23	72	J
9.	UNKNOWN	9.36	16	J
10.	UNKNOWN	9.48	59	J
11.	UNKNOWN	9.55	11	J
12.	UNKNOWN	9.89	74	J
13.	UNKNOWN	9.92	12	J
14. 644-36-0	O-TOLYLACETIC ACID	9.99	56	JN
15.	UNKNOWN	, 10.11	28	J
16.	UNKNOWN	10.23	24	J
17. 2078-54-8	PROPOFOL	10.27	13	JN
18.	UNKNOWN PHENOL DERIVATIVE	10.40	100	J
19.	UNKNOWN	10.64	31	J
20. 6331-04-0	(2,4-XYLYL) ACETIC ACID	10.81	24	NC
21.	UNKNOWN	11.15	38	J
22.	UNKNOWN	11.20	12	J
23.	UNKNOWN	11.35	19	J

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: <u>STL Buffa</u>	Contract:		MW-11A
Lab Code: <u>RECNY</u> (	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40001
Sample wt/vol:	<u>1010.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06808.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	: Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume: _	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: '(Y/N)	N pH 7.0		

24.       UNKNOWN ACETIC ACID DERIVATI       11.47       59         25.       UNKNOWN       11.56       12         26.       UNKNOWN ACETIC ACID DERIVATI       11.64       23         27.       UNKNOWN       12.03       21         28.       UNKNOWN PAH DERIVATIVE       12.40       31         29       UNKNOWN DIDENE DERIVATIVE       12.71       11.71	CAS NO.	Compound Name	RT	Est. Conc.	Q
26. UNKNOWN ACETIC ACID DERIVATI 11.64 23 27. UNKNOWN 12.03 21 28. UNKNOWN PAH DERIVATIVE 12.40 31	<del>-</del>	UNKNOWN ACEI'IC ACID DERIVATI	11.47	59	J
27. UNKNOWN 12.03 21 28. UNKNOWN PAH DERIVATIVE 12.40 31	25.	UNKNOWN	11.56	12	J
28. UNKNOWN PAH DERIVATIVE 12.40 31	26.	UNKNOWN ACETIC ACID DERIVATI	11.64	23	J
12.40	27.	UNKNOWN	12.03	21	J
29 INVAVAN TATOGRAD DEDITIANTING 10.71	28.	UNKNOWN PAH DERIVATIVE	12.40	31	J
22. CHILDRED DERIVATIVE   12./1   11	29.	UNKNOWN INDENE DERIVATIVE	12.71	11	J

(Z)-13-DOCOSENAMIDE

Number TICs found: 30

30. 112-84-5

CONCENTRATION UNITS:

(ug/L or ug/Kg)

16.44

UG/L

15 BJN

Lab Name: STL Buffalo	Contract:	<del></del>	MW-11B
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40002
Sample wt/vol: <u>1000.0</u> (g/mL) 1	<u>ML</u>	Lab File ID:	W06809.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/N	1) <u>Й</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uI	۲)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0		•	

CIN CI NIC	COL PROTE TO	CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>UG/L</u>	Q
100-52-7	Benzaldehyde		10	U
108-95-2	Phenol		10	Ü
111-44-4	Bis(2-chloroethyl) ether		10	Ü
95-57-8	2-Chlorophenol		10	U U
95-48-7	2-Methylphenol		10	บ
108-60-1	2,2'-Oxybis(1-Chloropropane	<u>.,                                      </u>	10	n n
98-86-2	Acetophenone	´´	10	-
106-44-5	4-Methylphenol		10	U U
621-64-7	N-Nitroso-Di-n-propylamine	· · · · · · · · · · · · · · · · · · ·	10	1 1
67-72-1	Hexachloroethane		10	U
98-95-3	Nitrobenzene			n
78-59-1	Isophorone	·	10	ָּט <u> </u>
88-75-5	2-Nitrophenol		10	ָ <u>ט</u>
105-67-9	2,4-Dimethylphenol	·	10 10	ָ זיי
111-91-1	Bis (2-chloroethoxy) methane		— <del>-</del>	U
120-83-2	2,4-Dichlorophenol		10	ט
91-20-3	Naphthalene	<del></del>	10	ַ
106-47-8	4-Chloroaniline	· · · · · · · · · · · · · · · · · · ·	10	U
87-68-3	Hexachlorobutadiene	<del>,                                      </del>	10	ū
105-60-2	Caprolactam		10	n
59-50-7	4-Chloro-3-methylphenol		10	U
91-57-6	2-Methylnaphthalene		10	U
77-47-4	Hexachlorocyclopentadiene		10	U
88-06-2	2,4,6-Trichlorophenol		25	U
95-95-4	2,4,5-Trichlorophenol		10	U
92-52-4			10	ע ו
91-58-7	2-Chloronaphthalene		10	U
88-74-4	2-Nitroaniline		10	U
131-11-3	Dimethyl phthalate		25	U
208-96-8	Acenaphthylene		10	U
606-20-2	2,6-Dinitrotoluene		10	U
99-09-2	3-Nitroaniline		10	U
	2 INTELOGIETITIE		25	U
		<del></del>		

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### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>STL Buffal</u>	o Contract:		MW-11B
Da Naic. SIL Bullar	Suiciact:	<del></del>	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40002
Sample wt/vol:	1000.0 (g/mL) ML	Lab File ID:	W06809.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

GPC Cleanup: (Y/N) N pH: 7.0

COMPOUND

207-08-9----Benzo(k)fluoranthene

50-32-8-----Benzo (a) pyrene 193-39-5-----Indeno (1, 2, 3-cd) pyrene

53-70-3-----Dibenzo(a,h)anthracene

CAS NO.

83-32-9Acenaphthene	10	U
51-28-52,4-Dinitrophenol	25	U
100-02-74-Nitrophenol	25	υ
132-64-9Dibenzofuran	10	ט
121-14-22,4-Dinitrotoluene	10	υ
84-66-2Diethyl phthalate	10	U
7005-72-34-Chlorophenyl phenyl ether	10	ש
86-73-7Fluorene	10	ט
100-01-64-Nitroaniline	_   25	U
534-52-14,6-Dinitro-2-methylphenol	<sup>-</sup>   25	ט
86-30-6N-nitrosodiphenylamine	10	ט
101-55-34-Bromophenyl phenyl ether	10	ប
118-74-1Hexachlorobenzene	10	ט
1912-24-9Atrazine	10	ប
87-86-5Pentachlorophenol	25	ט
85-01-8Phenanthrene	10	טן
120-12-7Anthracene	10	ט
86-74-8Carbazole	10	ប
84-74-2Di-n-butyl phthalate	10	U
206-44-0Fluoranthene	10	ט
129-00-0Pyrene	10	lυ
85-68-7Butyl benzyl phthalate	10	ט
91-94-13,3'-Dichlorobenzidine	10	ט
56-55-3Benzo (a) anthracene	10	lυ
218-01-9Chrysene	10	Ū
117-81-7Bis(2-ethylhexyl) phthalate	10	Ū
117-84-0Di-n-octyl phthalate	10	lΰ
205-99-2Benzo (b) fluoranthene	10	ΰ

Lab Name	: STL Buffalo	Õ (	Contract:		1	MW-11B	
Lab Code	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:_			
Matrix:	(soil/water)	WATER		Lab Sample :	ID: <u>A</u>	\5D40002	
Sample wt	t/vol:	1000.0 (g/mL) [	<u>T</u>	Lab File ID	: <u>M</u>	06809.RR	·
Level:	(low/med)	LOW		Date Samp/Re	ecv: <u>1</u>	.1/21/2005	11/23/2005
% Moistur	ne:	decanted: (Y/N	<u>1</u> ) $\bar{n}$	Date Extract	ted: <u>1</u>	.1/28/2005	
Concentra	ated Extract	Volume: 1000 (ul	.,)	Date Analyze	ed: <u>1</u>	2/01/2005	
Injection	o Volume:	<u>2.00</u> (uL)		Dilution Fac	ctor: _	1.00	
GPC Clear	rup: (Y/N) <u>N</u>	у рн: <u>7.0</u>		•			
r	CAS NO.	COMPOUND		CONCENIRATION UN (ug/L or ug/Kg)		/L	Q
	191-24-2	Benzo(ghi)per	ylene		· 1	ס ט	

### ASP 2000 - MEIHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

CAC NO	Comound Nove	Day 13-4	G
Number TICs found: 1		CONCENIRATION UNIT (ug/L or ug/Kg)	
GPC Cleanup: (Y/N) N	pH:	•	
Injection Volume:2.00 (u	L)	Dilution Factor:	1.00
Concentrated Extract Volume:	1000 (uL)	Date Analyzed:	12/01/2005
% Moisture: decanted	: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
Sample wt/vol: <u>1000.0</u> (	g/mL) <u>ML</u>	Lab File ID:	W06809.RR
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40002
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Lab Name: STL Buffalo	Contract:		MM-11B

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.43	10	BJ

Client No.

Lab Name: STL Buffal	o Contract:		MW-11C
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40003
Sample wt/vol:	990.00 (g/mL) <u>ML</u>	Lab File ID:	W06810.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	CY34724Th TD	CONCENTRATION		
CAS IV.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
100-52-7	Benzaldehyde		10	U
108-95-2	Phenol		10	Ū
111-44-4	Bis(2-chloroethyl) ether		10	TI .
95-57-8	2-Chlorophenol	<del></del>	10	บ
95-48-7	2-Methylphenol		10	Ū
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	บั
98-86-2	Acetophenone		10	Ü
106-44-5	4-Methylphenol		10	Ū
621-64-7	N-Nitroso-Di-n-propylamine		10	ט
67-72-1	Hexachloroethane		10	บ
98-95-3	Nitrobenzene		10	Ū
78-59-1	Isophorone		10	ט
88-75-5	2-Nitrophenol		10	ן מ
105-67-9	2,4-Dimethylphenol		10	ט ו
111-91-1	Bis (2-chloroethoxy) methane		10	ט
120-83-2	2,4-Dichlorophenol		10	ט
91-20-3	Naphthalene		10	שו
106-47-8	4-Chloroaniline		10	lΰ
87-68-3	Hexachlorobutadiene		10	l <sub>u</sub>
105-60-2	Caprolactam		10	ט
	4-Chloro-3-methylphenol		10	บ
91-57-6	2-Methylnaphthalene	···	10	ט
77-47-4	Hexachlorocyclopentadiene		25	ן ט
88-06-2	2,4,6-Trichlorophenol		10	ט
95-95-4	2,4,5-Trichlorophenol		10	ט
92-52-4	Biphenyl		10	บ
	2-Chloronaphthalene		10	บ
88-74-4	2-Nitroaniline		25	U
	Dimethyl phthalate		25 10	บ
208-96-8	Acenaphthylene		10	U
606-20-2	2,6-Dinitrotoluene		10	-
99-09-2	3-Nitroaniline		10 25	U
			23	10

Client No.

Lab Name: STL Buffal	^	Contract:	•	MW-11C
ten Marie: SIII Borrar	<u>o</u>	Dilliact;	<del></del>	
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER		Lab Sample ID:	A5D40003
Sample wt/vol:	990.00 (g/mL) M	<u>L</u>	Lab File ID:	W06810.RR
Level: (low/med)	LOW		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N	1) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uI	(۲	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

#### CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq)UG/L Q 83-32-9----Acenaphthene 0.4 51-28-5----2,4-Dinitrophenol 25 Ħ 100-02-7----4-Nitrophenol 25 U 132-64-9-----Dibenzofuran 10 U 121-14-2----2,4-Dinitrotoluene 10 U 84-66-2----Diethyl phthalate 10 U 7005-72-3----4-Chlorophenyl phenyl ether U 10 86-73-7----Fluorene U 10 100-01-6----4-Nitroaniline 25 U 534-52-1----4,6-Dinitro-2-methylphenol 25 U 86-30-6----N-nitrosodiphenylamine 10 U 101-55-3----4-Bromophenyl phenyl ether U 10 118-74-1----Hexachlorobenzene 10 U 1912-24-9----Atrazine 10 U 87-86-5----Pentachlorophenol 25 U 85-01-8-----Phenanthrene J 1 120-12-7-----Anthracene J 0.7 86-74-8-----Carbazole 10 U 84-74-2-----Di-n-butyl phthalate U 10 206-44-0----Fluoranthene 10 U 129-00-0----Pyrene U 10 85-68-7-----Butyl benzyl phthalate 10 U 91-94-1----3,3'-Dichlorobenzidine 10 U 56-55-3-----Benzo (a) anthracene U 10 218-01-9-----Chrysene 10 U 117-81-7----Bis(2-ethylhexyl) phthalate U 10 117-84-0-----Di-n-octyl phthalate IJ 10 205-99-2----Benzo (b) fluoranthene U 10 207-08-9-----Benzo (k) fluoranthene 10 U 50-32-8-----Benzo (a) pyrene 10 U 193-39-5----Indeno (1,2,3-cd) pyrene 10 U 53-70-3-----Dibenzo (a, h) anthracene IJ 10

Lab Name: STL Buffalo Contract:	MW-11C
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>A5D40003</u>
Sample wt/vol: 990.00 (g/mL) ML	Lab File ID: W06810.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/01/2005</u>
Injection Volume: 2.00(uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: 7.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
191-24-2Benzo (qhi) perylene	10 11

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-110	
1	

Lab Name: STL Buffalo Contract:

Lab Code: RECONY Case No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40003

Sample wt/vol: 990.00 (g/mL) ML Lab File ID: W06810.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENIRATION UNITS:

Number TICs found: 30 (ug/L or ug/Kg)  $\underline{\text{UG/L}}$ 

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	7.20	14	J
2. 78-40-0	TRIEIHYL PHOSPHATE	7.72	22	JN
3.	UNKNOWN ACID	7.91	19	J
4.	UNKNOWN	8.29	27	J
5.	UNKNOWN	8.62	32	J
6.	UNKNOWN	8.78	68	J
7.	UNKNOWN	8.85	14	J
8.	UNKNOWN	8.90	11	J
9.	UNKNOWN	8.95	38	J
10.	UNKNOWN	9.01	<b>1</b> 5	J
11.	UNKNOWN	9.23	54	J
12.	UNKNOWN	9.34	13	J
13.	UNKNOWN	9.47	52	J
14.	UNKNOWN	9.77	42	J
15.	UNKNOWN	9.92	14	J
16.	UNKNOWN	10.22	' 22	J
17.	UNKNOWN	10.27	25	J
18.	UNKNOWN	10.40	87	J
19.	UNKNOWN	10.63	22	J
20.	UNKNOWN ACETIC ACID DERIVATI	10.81	18	J
21.	UNKNOWN	10.87	12	J
22.	UNKNOWN	10.90	10	J
23.	UNKNOWN	11.15	38	J

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo	Contract:		MW-11C
Lab Code: RECNY Ca	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40003
Sample wt/vol:	990.00 (g/mL) <u>ML</u>	Lab File ID:	W06810.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	<u>2.00</u> (uL)	Dilution Factor:	1.00

pH: <u>7.0</u>

Number TICs found: 30

GPC Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO. Compound Name RTEst. Conc. Q 24. UNKNOWN 11.34 18 J 25. UNKNOWN ACID 11.47 56 J 26. UNKNOWN ACID 11.94 12 J 27. UNKNOWN 12.03 22 J 28. UNKNOWN PAH DERIVATIVE 12.39 36 J 29. UNKNOWN 12.70 13 J 30. UNKNOWN AMIDE DERIVATIVE 16.44 19 BJ

Client No.

Lab Name: STL Buffal	o Contract:	· 	MW-12A
Lab Code: RECNY C	dase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40006
Sample wt/vol:	1020.0 (g/mL) <u>ML</u>	Lab File ID:	W06815.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	1.00
			•

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

03.0 NO	GOLDON TO	CONCENIRATION UNIT		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde		10	U
108-95-2	Phenol		10	Ū
111-44-4	Bis(2-chloroethyl) ether		10	Ū
95-57-8	2-Chlorophenol	-	10	Ū
	2-Methylphenol		10	Ū
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	Ū
98-86-2	Acetophenone	·	10	Ū
106-44-5	4-Methylphenol		1	J
621-64-7	N-Nitroso-Di-n-propylamine		10	Ū
67-72-1	Hexachloroethane		10	Ū
98-95-3	Nitrobenzene		10	Ū
78-59-1	Isophorone		10	שׁ
	2-Nitrophenol		10	Ü
	2,4-Dimethylphenol		10	Ū
	Bis(2-chloroethoxy) methane		10	ן ט
	2,4-Dichlorophenol		10	ט
	Naphthalene		10	U
	4-Chloroaniline		10	Ū
87-68-3	Hexachlorobutadiene	+	10	Ū
105-60-2	Caprolactam		10	lu l
	4-Chloro-3-methylphenol		10	U
91-57-6	2-Methylnaphthalene		10	<u>י</u>
77-47-4	Hexachlorocyclopentadiene		24	ן מ
	2,4,6-Trichlorophenol		10	lu l
	2,4,5-Trichlorophenol		10	lu l
92-52-4	Biphenvl		10	บี
	2-Chloronaphthalene		10	ם
	2-Nitroaniline		24	lu l
	Dimethyl phthalate	****	10	T T
208-96-8	Acenaphthylene	<del></del>	10	ן מ
	2,6-Dinitrotoluene		10	Tu I
	3-Nitroaniline		24	U
05 4			4	lo [

Client No.

Lab Name: STL Buffal	o Contract:	<del></del>	MW-12A
Lab Code: RECNY C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40006
Sample wt/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06815.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
•		•	

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)	ITS: <u>UG/L</u>	Q
83-32-9	Acenaphthene		10	U
51-28-5	2,4-Dinitrophenol	<del></del>	24	11
100-02-7	4-Nitrophenol		24	IJ
132-64-9	Dibenzofuran		10	Ü
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethyl phthalate		10	Ü
7005-72-3	4-Chlorophenyl phenyl ether		10	U
86-73-7	Fluorene		10	U
	4-Nitroaniline		24	u
534-52-1	4,6-Dinitro-2-methylphenol		24	טו
86-30-6	N-nitrosodiphenvlamine		10	ū
101-55-3	4-Bromophenyl phenyl ether		10	บ
118-74-1	Hexachlorobenzene		10	Ü
1912-24-9			10	υ
87-86-5	Pentachlorophenol		24	Ü
85-01-8	Phenanthrene		0.2	J
	Anthracene		10	ט
86-74-8			10	υ
84-74-2	Di-n-butyl phthalate		10	ט
206-44-0	Fluoranthene		10	บ
129-00-0	Pyrene		10	บ
85-68-7	Butyl benzyl phthalate		10	ט
91-94-1	3,3'-Dichlorobenzidine	1	10	U
56-55-3	Benzo(a) anthracene		10	Ü
218-01-9	Chrysene		10	Ü
117-81-7	Bis(2-ethylhexyl) phthalate	·	10	บ
117-84-0	Di-n-octyl phthalate		10	n In
205-99-2	Benzo (b) fluoranthene	<u> </u>	10	ט
207-08-9	Benzo(k)fluoranthene		10	ט
50-32-8	Benzo (a) pyrene	· · · · · · · · · · · · · · · · · · ·	10	Ü
193-39-5	Indeno (1, 2, 3-cd) pyrene		10	1 -
53-70-3	-Dibenzo (a, h) anthracene		10	U
			— <del>-</del>	1

Lab Name: <u>STL Buffalo</u>	Contract:	<u></u>	MW-12A
Lab Code: <u>RECNY</u> Case	No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WAS	TER	Lab Sample ID:	<u>A5D40006</u>
Sample wt/vol: 102	<u>20.0</u> (g/mL) <u>M</u> L	Lab File ID:	W06815.RR
Level: (low/med) <u>LOW</u>	₩.	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: dec	canted: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Vol	lume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume: 2.0	00 (ul)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N	pH: _7.0	·	
CAS NO.		KCENIRATION UNITS: g/L or ug/Kg) <u>[</u>	<u>rg/l</u> Q
191-24-2E	Benzo(ghi)perylene		10 U

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: SIL Buffal	Contract:		MW-12A
Lab Code: RECNY (	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40006
Sample wt/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06815.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	: Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

Number TICs found: 27

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

1. UNKNOWN 2. UNKNOWN	6.70		
14. 6331-04-0 (2,4-XYLYL) ACETIC ACID 15. UNKNOWN 16. 90-43-7 O-HYDROXYBIPHENYL 17. 134-62-3 DIETHLITOLUAMIDE 18. UNKNOWN PHOSPHATE DERIVATIVE 19. UNKNOWN BENZENESULFONAMIDE 20. 934-34-9 2 (3H) -BENZOTHIAZOLONE 21. UNKNOWN BENZENESULFONAMIDE 22. UNKNOWN BENZENESULFONAMIDE	7.53 7.62 7.73 7.87 8.15 8.49 8.97 9.02 9.37 9.39 9.67 10.64 10.78 11.27 11.68 12.12 12.26 12.41 12.52 12.64 13.35	3 6 4 7 4 8 10 7 2 2 3 2 2 14 3 3 7 3 9 12 5 4 2	

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contrac	et:	-	MW-12A
Lab Code: <u>RECNY</u> Case No.: SAS	3 No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40006
Sample wt/vol: 1020.0 (g/mL) ML		Lab File ID:	W06815.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/N) N		Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uL)		Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0			
Number TICs found: <u>27</u>	C	CONCENTRATION UNIT (ug/L or ug/Kg)	·- ·

CAS NO.	Compound Name	RT	Est. Conc.	· Q
24. 50-06-6 25. 86421-35-4 26. 39905-47-0 27.	PHENOBARBITAL UNKNOWN ACETIC ACID DERIVATI UNKNOWN ANILINE DERIVATIVE UNKNOWN AMIDE DERIVATIVE	14.02 14.19 16.42 16.45		JN JN JN BJ

Client No.

Lab Name: STL Buffal	O Contract:		MW-12B
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40007
Sample wt/vol:	1020.0 (g/mL) ML	Lab File ID:	W06816.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENTRATION		:	
CAS NO.	COMPOUND	(ug/L or ug/	Kg)	UG/L	Q
100-52-7	-Benzaldehyde			10	U
108-95-2		<del></del>	1	10	U
111-44-4	-Bis(2-chloroethyl) ether			10	U
95-57-8	-2-Chlorophenol			10	lu l
95-48-7	-2-Methylphenol		1	10	u l
108-60-1	-2,2'-Oxybis(1-Chloropropane)		<u> </u>	10	υ l
98-86-2	-Acetophenone		!	10	υ l
106-44-5	-4-Methylphenol		<u> </u>	10	Ü
621-64-7	-N-Nitroso-Di-n-propylamine	· · · · · · · · · · · · · · · · · · ·		10	u l
67-72-1	-Hexachloroethane		ļ	10	ן מ
98-95-3	-Nitrobenzene			10	ū
78-59-1	-Isophorone	······		10	מ
88-75-5	-2-Nitrophenol			10	ם ו
105-67-9	-2,4-Dimethylphenol			10	
111-91-1	-Bis(2-chloroethoxy) methane			10	lu l
120-83-2	-2,4-Dichlorophenol			10	u
91-20-3	-Naphthalene			10	ט
106-47-8	-4-Chloroaniline			10,	Ū
87-68-3	-Hexachlorobutadiene			10,	ט
105-60-2	-Caprolactam			10	ט
59-50-7	-4-Chloro-3-methylphenol		,	10	ū
91-57-6	-2-Methylnaphthalene	·		10	ū
77-47-4	-Hexachlorocyclopentadiene			24	ט
88-06-2	-2,4,6-Trichlorophenol			10	ן מ
95-95-4	-2,4,5-Trichlorophenol			10	U
92-52-4	-Biphenyl			10	1 -
	-2-Chloronaphthalene				ū
88-74-4	-2-Nitroaniline			10 24	U
131-11-3	Dimethyl phthalate			2 <del>4</del> 10	U
208-96-8	Acenaphthylene				U
606-20-2	2,6-Dinitrotoluene			10	U
99-09-2	3-Nitroaniline			10	U
				24	U

Client No.

Lab Name: STL Buffal	O Contract:	· · · · · ·	MM-15B
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40007</u>
Sample wt/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06816.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (UL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/F		: UG/L	0
02.20.0		(),,, -	-J/		<del>-</del>
	Acenaphthene			10	U
	2,4-Dinitrophenol			24	U
100-02-7	4-Nitrophenol			24	U
	Dibenzofuran			10	U
121-14-2	2,4-Dinitrotoluene			10	U
84-66-2	Diethyl phthalate			10	U
	4-Chlorophenyl phenyl ether	· · · · · · · · · · · · · · · · · · ·		10	ע ו
86-73-7	· · · · · · · · · · · · · · · · · · ·			10	ט
	4-Nitroaniline			24	ט
	-4,6-Dinitro-2-methylphenol			24	U
	N-nitrosodiphenylamine			10	ַ
101-55-3	4-Bromophenyl phenyl ether			10	ט
	Hexachlorobenzene			10	U
1912-24-9				10	ט (
87-86-5	Pentachlorophenol			24	ע
	Phenanthrene			10	ן י ט
120-12-7				10	ן ט
86-74-8				10	ן ט
84-74-2	Di-n-butyl phthalate			10 ,	ט
	Fluoranthene			10	ן מ
129-00-0				10	ן ט
85-68-7	Butyl benzyl phthalate			10	ן ט
91-94-1	3,3'-Dichlorobenzidine			10	ן ט
	Benzo (a) anthracene			10	ן ט
218-01-9				10	U
117-81-7	-Bis(2-ethylhexyl) phthalate			10	שׁ
117-84-0	Di-n-octyl phthalate			10	Ū
205-99-2	-Benzo (b) fluoranthene			10	lu l
207-08-9	Benzo(k) fluoranthene			10	li l
50-32-8	-Benzo (a) pyrene			10	ט
193-39-5	-Indeno (1,2,3-cd) pyrene			10	U
53-70-3	-Dibenzo (a, h) anthracene			10	ן מ
	- 1-1-1			±0	10

Lab Name: STL B	uffalo Cont	tract:	Ą	W-12B
		SAS No.:SDG No		
Matrix: (soil/w			ple ID: A	5D40007
Sample wt/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File	e ID: <u>Wo</u>	06816.RR
Level: (low/m	ed) <u>LOW</u>	Date Sar	mp/Recv: <u>11</u>	/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Exi	tracted: <u>11</u>	/28/2005
Concentrated Ext	tract Volume: 1000(uL)	Date Ana	alyzed: <u>12</u>	/01/2005
Injection Volume	∋: <u>2.00</u> (uĽ)	Dilution	n Factor:	1.00
GPC Cleanup: (	Y/N) <u>N</u> pH: _7.0			
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug	ON UNITS: g/kg) <u>UG/</u>	<u>L</u> Q
191-24-	-2Benzo(ghi)peryle	ne	10	U

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffa	lo Contract:		MW-12B
Lab Code: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water	) <u>WATER</u>	Lab Sample ID:	A5D40007
Sample wt/vol:	<u>1020.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06816.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extrac	t Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume: _	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N	) N pH 70		•

Number TICs found: \_\_8

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 103-82-2 5. 6. 7. 8.	UNKNOWN ACID UNKNOWN ACID BENZENEACETIC ACID UNKNOWN ACID UNKNOWN ACID UNKNOWN UNKNOWN UNKNOWN AMIDE DERIVATIVE UNKNOWN AMIDE DERIVATIVE	3.21 4.23 4.38 8.94 9.67 15.25 15.86 16.43	3 7 4 4 10 4 2 20	J J JN J J J J

Client No.

Lab Name: STL Buffal	O Contract:		MW-2
Lab Code: RECNY C	ase No.:SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40008
Sample wt/vol:	<u>1040.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06817.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
_	•		•

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	. α ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε	CONCENTRATION I		
CAS IV.	COMPOUND	(ug/L or ug/K	g) <u>NG/</u> L	Q
100-52-7	Benzaldehyde		10	ט
108-95-2			10	ט
111-44-4	-Bis(2-chloroethyl) ether		10	Մ
95-57-8	2-Chlorophenol		10	II
95-48-7	-2-Methylphenol		10	U
108-60-1	-2,2'-Oxybis(1-Chloropropage)		10	ū
98-86-2	-Acetophenone		10	ט
106-44-5	-4-Methylphenol		10	lu O
621-64-7	-N-Nitroso-Di-n-propylamine		10	Ū
67-72-1	-Hexachloroethane		10	U
98-95-3	-Nitrobenzene		10	lΰ
78-59-1	-Isophorone		10	IJ
88-75-5	-2-Nitrophenol		10	U
105-67-9	-2,4-Dimethylphenol		10	Ü
111-91-1	-Bis(2-chloroethoxy) methane		10	U
120-83-2	-2,4-Dichlorophenol		10	li l
91-20-3	-Naphthalene		11	
106-47-8	-4-Chloroaniline		10	TT
87-68-3	-Hexachlorobutadiene		10	U U
105-60-2	-Caprolactam		10	ט
59-50-7	-4-Chloro-3-methylphenol		10	U
91-57-6	-2-Methylnaphthalene		2	J
77-47-4	-Hexachlorocyclopentadiene		24	ט
88-06-2	-2,4,6-Trichlorophenol		10	ט
95 <b>-</b> 95-4 <b></b>	-2,4,5-Trichlorophenol		10	Ū
92-52-4	-Biphenyl		10	Ū
91-58-7	-2-Chloronaphthalene		10	U
88-74-4	-2-Nitroaniline		24	U U
131-11-3	Dimethyl phthalate		10	II I
208-96-8	-Acenaphthylene		10	U
606-20-2	2,6-Dinitrotoluene		10	U
99-09-2	3-Nitroaniline		24	li li
			27	

Client No.

Lab Name: STL Buffal	o Contract:		MW-2
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40008
Sample wt/vol:	<u>1040.0</u> (g/mL) ML	Lab File ID:	W06817.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	_ <u>2.00</u> (പ് <u></u> L)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	TS: <u>UG/L</u>	Q
	Acenaphthene		10	U
51-28-5	2,4-Dinitrophenol		24	บ
100-02-7	4-Nitrophenol_		24	υ
	Dibenzofuran		10	ט
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethyl phthalate		10	υ
7005-72-3	4-Chlorophenyl phenyl ether	•	10	U
86-73-7			10	ט
	4-Nitroaniline		24	ן ט
534-52-1	4,6-Dinitro-2-methylphenol		24	ט ו
86-30-6	N-nitrosodiphenylamine		10	ן מן
101-55-3	4-Bromophenyl phenyl ether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9			10	ט
	Pentachlorophenol		24	U
	Phenanthrene		0.3	J
	Anthracene		10	U
86-74-8	Carbazole		10	ן ט
84-74-2	Di-n-butyl phthalate	+	10	U
	Fluoranthene		10	Ū
129-00-0	Pyrene		10	U
	Butyl benzyl phthalate		10	Ū
91-94-1	3,3'-Dichlorobenzidine		10	lu l
56-55-3	Benzo (a) anthracene		10	Ū
218-01-9	Chrysene		10	lu l
	Bis(2-ethylhexyl) phthalate		10	II I
117-84-0	Di-n-octyl phthalate		10	TT I
205-99-2	Benzo (b) fluoranthene		10	II
207-08-9	Benzo(k)fluoranthene		10	II I
50-32-8	Benzo (a) pyrene		10	lu l
193-39-5	Indeno (1,2,3-cd) pyrene		10	Ü
53-70-3	Dibenzo (a, h) anthracene		10	Ū
<del>-</del>				

Lab Name	: <u>STL Buffa</u>	<u>lo</u> (	Contract:		MW-2
Lab Code	: RECNY	Case No.:	SAS No.:	_ SDG No.:	·
Matrix:	(soil/water)	<u>WATER</u>		Lab Sample ID:	A5D40008
Sample wt	t/vol:	<u>1040.0</u> (g/mL) M	<u>L</u>	Lab File ID:	W06817.RR
Level:	(low/med)	<u>LOW</u>		Date Samp/Recv	: 11/21/2005 11/23/2005
% Moistur	re:	decanted: (Y/N	) <u>N</u>	Date Extracted	: 11/28/2005
Concentra	ated Extract	: Volume: 1000 (uL	) ·	Date Analyzed:	12/01/2005
Injection	n Volume:	2.00 (uL)		Dilution Factor	c: <u>1.00</u>
GPC Clear	up: (Y/N)	<u>N</u> pH: _7.0		·	
E	CAS NO.	COMPOUND		CONCENTRATION UNITS (ug/L or ug/Kg)	
	191-24-2	Benzo(ghi)per	ylene		10 U

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

1		
	MW-2	
- 1	1111 2	

Lab Name: STL Buffalo Contract: \_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40008

Sample wt/vol:  $\underline{1040.0}$  (g/mL)  $\underline{\text{ML}}$  Lab File ID:  $\underline{\text{W06817.RR}}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/01/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

Number TICs found: 29 (ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN BENZENE DERIVATIVE	6.31	10	J
2.	UNKNOWN BENZENE DERIVATIVE	6.64	8	J
3.	UNKNOWN ACID	7.50	5	J
4.	UNKNOWN	7.62	3	J
5.	UNKNOWN BENZENE DERIVATIVE	7.70	3	J
6.	UNKNOWN BENZENE DERIVATIVE	7.74	4	J
7.	UNKNOWN BENZENE DERIVATIVE	8.07	6	J
8.	UNKNOWN	8.15	3	J
9.	UNKNOWN	8.20		J
10.	UNKNOWN	8.59	3	J
11.	UNKNOWN	8.72	2	J
12.	UNKNOWN	9.24	3	J
13.	UNKNOWN PHENOL DERIVATIVE	9.37	14	J
14.	UNKNOWN BENZOIC ACID DERIVAT	10.25	5	J
15. 6331-04-0	(2,4-XYLYL) ACETIC ACID	10.63	9	JN
16. 134-62-3	DIEIHYLTOLUAMIDE ,	11.68	6	JN
17.	UNKNOWN ACID	11.88	2	J
18. 126-73-8	TRIBUTYL PHOSPHATE	12.11	24	NU
19.	UNKNOWN BENZENESULFONAMIDE	12.26	24	J
20. 934-34-9	2 (3H) -BENZOTHIAZOLONE	12.43	49	JN
21.	UNKNOWN	12.52	3	J
22.	UNKNOWN BENZENESULFONAMIDE	12.65	14	J
23.	TRIBUTYL PHOSPHINE OXIDE	12.73	10	J

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>SIL Buffalo</u>	Contract:	-	IMM-5
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40008
Sample wt/vol: 1040.0 (g/mL)	ML	Lab File ID:	W06817.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/	(N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000	(uL)	Date Analyzed:	12/01/2005
Injection Volume:2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH:	7.0		
Number TICs found: 29	(	CONCENTRATION UNIT (ug/L or ug/Kg)	

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 25. 26. 27. 28. 29.	UNKNOWN UNKNOWN BENZENESULFONAMIDE UNKNOWN PHENOL DERIVATIVE UNKNOWN EIHANOL DERIVATIVE UNKNOWN ANILINE DERIVATIVE UNKNOWN AMIDE DERIVATIVE	14.52 14.63 14.70 15.33 16.41 16.44	8 5 6 27 6 44	J J J J BJ

Lab Name: STL Buffalo	Contract:		MM-4A
Lib Code: RECNY Car	se No.: SAS No.:	SDG No.:	
Matrix: (soil/water) J	WATER	Lab Sample ID:	A5D4 0004
Sample wt/vol:	<u>1000.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06811.RR
Level: (low/med) <u>l</u>	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract V	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume: 2	<u>2.00</u> (വ.)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N	pH: _7.0		

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/I		G/L	Q
100-52-7 108-95-2 111-44-4 95-57-8 95-48-7 108-60-1 98-86-2 106-44-5 98-95-3 78-59-1 105-67-9 111-91-1 120-83-2 91-20-3 106-47-8 87-68-3 105-60-2 59-50-7 91-57-6 77-47-4 98-06-2 92-52-4 91-58-7 88-74-4 88-74-4	Benzaldehyde Phenol Bis (2-chloroethyl) ether 2-Chlorophenol 2-Methylphenol 2,2'-Oxybis (1-Chloropropane) Acetophenone 4-Methylphenol N-Nitroso-Di-n-propylamine Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Bis (2-chloroethoxy) methane 2,4-Dichlorophenol Naphthalene 4-Chloroaniline Hexachlorobutadiene Caprolactam 4-Chloro-3-methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol Biphenyl 2-Chloronaphthalene		(g) <u>u</u>	10 10 10 10 10 10 10 10 10 10 10 10 10 1	חממממממממממממממממממממ
208-96-8	Acenaphthylene 2,6-Dinitrotoluene		1) 10 10 25	D	บ บ บ

Client No.

Lab Name: STL Buffalo	Contract:		MW-4A
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40004
Sample wt/vol: $\underline{1000.0}$ (g/mL	.) <u>ML</u>	Lab File ID:	W06811.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (	(Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000	) (uL)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0	•		

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

83-32-9-----Acenaphthene 1 J
51-28-5-----2,4-Dinitrophenol 25 U
100-02-7----4-Nitrophenol 25 U
132-64-9----Dibenzofuran 0.5 J
121-14-2----2,4-Dinitrotoluene 10 U

51-20-52,4-Diffictionnenoi	25	ט	ı
100-02-74-Nitrophenol	25	υ	
132-64-9Dibenzofuran	0.5	J	-
121-14-22,4-Dinitrotoluene	10	U	1
84-66-2Diethyl phthalate	10	Ū	ı
7005-72-34-Chlorophenyl phenyl ether	10	Ū	ı
86-73-7Fluorene	1	J	
100-01-64-Nitroaniline	25	Ū	l
534-52-14,6-Dinitro-2-methylphenol	25	ָט .	l
86-30-6N-nitrosodiphenylamine	10	Ū	l
101-55-34-Bromophenyl phenyl ether	10	Ū	
118-74-1Hexachlorobenzene	10	Ū	I
1912-24-9Atrazine	10	บ	١
87-86-5Pentachlorophenol	25	บ	
85-01-8Phenanthrene	10	ט	l
120-12-7Anthracene	0.4	J	l
86-74-8Carbazole	10 ,	U	١
84-74-2Di-n-butyl phthalate	10	บ	l
206-44-0Fluoranthene	10	lū	1
129-00-0Pyrene	10	IJ	
85-68-7Butyl benzyl phthalate	10	Ü	l
91-94-13,3'-Dichlorobenzidine	10	טו	l
56-55-3Benzo (a) anthracene	10	บ	
218-01-9Chrysene	10	U	l
117-81-7Bis(2-ethylhexyl) phthalate		1 -	l
117-84-0Di-n-octyl phthalate	10	U	
205-99-2Benzo (b) fluoranthene	10	U	
207-08-9Benzo (k) fluoranthene	10	ū	İ
50-32-8Benzo (a) pyrene	10	U	į
193-39-5Indeno (1, 2, 3-cd) pyrene	10	Ū	
53-70-3Dibenzo (a, h) anthracene	10	U	
DIDCTEO (8,11) ATCHEACENE	10	U	

Lab Name: SI	TL Buffalo	. Co	ntract:	•	MW-4A
		se No.:			
Matrix: (soi	il/water)	WATER		Lab Sample ID	: A5D40004
Sample wt/vo	ol: .	1000.0 (g/mL) <u>ML</u>	ı	Lab File ID:	W06811.RR
Level: (lo	ow/med)	LOW		Date Samp/Rec	v: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture:		decanted: (Y/N)	N	Date Extracte	d: <u>11/28/2005</u>
Concentrated	d Extract	Volume: 1000 (uL)		Date Analyzed	: 12/01/2005
Injection Vo	olume:	<u>2.00</u> (uL)		Dilution Fact	or: <u>1.00</u>
GPC Cleanup:	: (Y/N) <u>N</u>	pH: <u>7.0</u>	•		
CAS	5 NO	COMPOUND	•	ONCENIRATION UNI (ug/L or ug/Kg)	
191	-24-2	Benzo (ghi) pery	lene		10 U

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffal	O Contract:		MN-4A
Lab Code: <u>RECNY</u>	Case No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40004
Sample wt/vol:	1000.0 (g/mL) <u>M</u> L	Lab File ID:	W06811.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

Number TICs found: 30

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	7.96	3	J
2.	UNKNOWN	8.22	3	J
3.	UNKNOWN	8.50	4	J
4.	UNKNOWN	8.63	7	J
5.	UNKNOWN	8.69	3	J
6.	UNKNOWN	8.78	3	J
7.	UNKNOWN	8.82	3	J
8.	UNKNOWN	8.86	3	J
9.	UNKNOWN	9.06	7	J
10.	UNKNOWN	9.26	4	lj l
11.	UNKNOWN	9.36	6	J
12.	UNKNOWN	9.48	3	J
13.	UNKNOWN	9.63	7	J
14.	UNKNOWN	9.68	2	J
15.	UNKNOWN	9.73	_ 	J
16.	UNKNOWN	9.83	<sup>1</sup> 5	J
<b>17.</b>	UNKNOWN	9.96	5	J
18.	UNKNOWN	10.17	3	J
19. 2934-05-6	2,4-BIS(1-METHYLETHYL) PHENO	10.27	14	JN
20.	UNKNOWN	10.40	4	J
21.	UNKNOWN	10.53	5	ŭ
22.	UNKNOWN	10.61	4	J
23.	UNKNOWN	10.66		J

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TEMPATIVELY IDENTIFIED COMPOUNDS

La Name: STL Buffalo Contract:	<del></del>	MW-4A
Lat Code: REKONY Case No.: SAS No.:	SDG No.:	
Marix: (soil/water) <u>WATER</u>	Lab Sample ID:	<u>A5D40004</u>
Saple wt/vol: 1000.0 (g/mL) ML	Lab File ID:	W06811.RR
Legl: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
% bisture: decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0		·
Number TICs found: 30	CONCENIRATION UNIT	

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN O-HYDROXYBIPHENYL UNKNOWN UNKNOWN BUTYL ESTER HEXADECANOIC ACI BUTYL ESTER OCTADECANOIC ACI UNKNOWN AMIDE DERIVATIVE	10.71	5	J
25. 90-43-7		11.27	4	JN
26.		11.95	6	J
27.		12.26	3	JN
28. 111-06-8		14.64	54	JN
29. 123-95-5		15.29	44	JN
30.		16.45	18	BJ

Lab Name: SIL Buffalo	Contract:	-	MW-4B
Lab Code: <u>RECNY</u> Case No.	SAS No.:	SDG No.:	_
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40005
Sample wt/vol: <u>1015.0</u>	(g/mL) <u>ML</u>	Lab File ID:	W06814.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decante	d: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume:	_1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (ul	)	Dilution Factor:	1.00
GPC Cleanup: $(Y/N) N pH$ :	7.0		•

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/I		: <u>UG/L</u>	Q
100-52-7 108-95-2 111-44-4 95-57-8 95-48-7 108-60-1 98-86-2 106-44-5 621-64-7 98-95-3 98-95-3 105-67-9 111-91-1 120-83-2 91-20-3 106-47-8 91-57-6 59-50-7 91-57-6 91-57-6 91-58-7 92-52-4 91-58-7 88-74-4 131-11-3 208-96-8	BenzaldehydePhenolBis (2-chloroethyl) ether2-Chlorophenol2-Methylphenol2,2'-Oxybis (1-chloropropane)Acetophenone4-MethylphenolNitroso-Di-n-propylamineHexachloroethaneNitrobenzeneIsophorone2-Nitrophenol2,4-DimethylphenolBis (2-chloroethoxy) methane2,4-DichlorophenolNaphthalene4-ChloroanilineHexachlorobutadieneCaprolactam4-Chloro-3-methylphenol2-Methylnaphthalene2,4,6-Trichlorophenol2,4,5-Trichlorophenol2,4,5-Trichlorophenol2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline		(g)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	מממממממממממממממממממממ
99-09-2	-2,6-Dinitrotoluene -3-Nitroaniline			10 25	U U

Client No.

Lab Name: STL Buffa	<u>lo</u> Contract:		MW-4B
·	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water	) <u>WATER</u>	Lab Sample ID:	A5D40005
Sample wt/vol:	<u>1015.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06814.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extrac	t Volume: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.   CCMPOUND   (ug/L or ug/kg)   U3/L   Q			CONCENTRATION UNI		_
51-28-52,4-Dinitrophenol   25   U   100-02-74-Nitrophenol   25   U   100-02-74-Nitrophenol   25   U   132-64-9Dibenzofuran   10   U   121-14-22,4-Dinitrotoluene   10   U   100-01-72-34-Chlorophenyl phenyl ether   10   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitrosodiphenylamine   10   U   101-55-34-Bromophenyl phenyl ether   10   U   101-55-34-Bromophenyl phenyl ether   10   U   101-55-34-Bromophenyl phenyl ether   10   U   101-24-9Atrazine   10   U   101-24-9Atrazine   10   U   101-24-9Atrazine   10   U   101-24-9Atrazine   10   U   102-12-7Atrhracene   10   U   102-12-7Atrhracene   10   U   102-12-7	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
100-02-74-Nitrophenol   25   U   132-64-9Dibenzofuran   10   U   121-14-22,4-Dinitrotoluene   10   U   121-14-22,4-Dinitrotoluene   10   U   1284-66-2Diethyl phthalate   10   U   100-05-72-34-Chlorophenyl phenyl ether   10   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitroaniline   25   U   100-01-64-Nitroaniline   25   U   100-01-64-Dinitro-2-methylphenol   25   U   100-01-64-Dinitro-2-methylphenol   25   U   100-05-34-Bromophenyl phenyl ether   10   U   118-74-1Hexachlorobenzene   10   U   118-74-1Hexachlorobenzene   10   U   118-74-1	83-32-9	Acenaphthene		10	บ
132-64-9Dibenzofuran   10   U   121-14-22,4-Dinitrotoluene   10   U   121-14-22,4-Dinitrotoluene   10   U   10   10   U   10   10   U   10   10				25	ט
121-14-22,4-Dinitrotoluene   10   U     184-66-2Diethyl phthalate   10   U     17005-72-34-Chlorophenyl phenyl ether   10   U     100-01-64-Nitroaniline   25   U     1534-52-14,6-Dinitro-2-methylphenol   25   U     186-30-6N-nitrosodiphenylamine   10   U     101-55-34-Bromophenyl phenyl ether   10   U     101-55-34-Bromophenyl phenyl ether   10   U     1912-24-9Atrazine   10   U     1912-24-9Atrazine   10   U     187-86-5Pentachlorophenol   25   U     88-65Phenanthrene   10   U     120-12-7Anthracene   10   U     124-8Carbazole   10   U     124-8Carbazole   10   U     129-00-0Pyrene   10   U     129-00-0Pyrene   10   U     129-013,3'-Dichlorobenzidine   10   U     129-94-13,3'-Dichlorobenzidine   10   U     1218-01-9Chrysene   10   U     1218-01-9Chrysene   10   U     1217-84-0	100-02-7	4-Nitrophenol		25	U
84-66-2Diethyl phthalate       10       U         7005-72-34-Chlorophenyl phenyl ether       10       U         86-73-7Fluorene       10       U         100-01-64-Nitroaniline       25       U         534-52-14,6-Dinitro-2-methylphenol       25       U         86-30-6N-nitrosodiphenylamine       10       U         101-55-34-Bromophenyl phenyl ether       10       U         118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         88-01-8	132-64-9	Dibenzofuran		10	U
10	121-14-2	2,4-Dinitrotoluene		10	U
10   U   100-01-6Fluorene   10   U   100-01-6	84-66-2	Diethyl phthalate		10	U
10   U   100-01-6Fluorene   10   U   100-01-6	7005-72-3	4-Chlorophenyl phenyl ether		10	บ
534-52-14,6-Dinitro-2-methylphenol       25       U         86-30-6N-nitrosodiphenylamine       10       U         101-55-34-Bromophenyl phenyl ether       10       U         118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         88-01-8	86-73-7	Fluorene		10	U
86-30-6N-nitrosodiphenylamine       10       U         101-55-34-Bromophenyl phenyl ether       10       U         118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         85-01-8Phenanthrene       10       U         122-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7	100-01-6	4-Nitroaniline		25	U
101-55-34-Bromophenyl phenyl ether       10       U         118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         88-601-8Phenanthrene       10       U         120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         217-81-7Bis (2-ethylhexyl) phthalate       10       U         217-84-0				25	U
101-55-34-Bromophenyl phenyl ether       10       U         118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         88-601-8Phenanthrene       10       U         120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         217-81-7Bis (2-ethylhexyl) phthalate       10       U         217-84-0	86-30-6	N-nitrosodiphenylamine		10	U
118-74-1Hexachlorobenzene       10       U         1912-24-9Atrazine       10       U         87-86-5Pentachlorophenol       25       U         85-01-8Phenanthrene       10       U         120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         84-74-2	101-55-3	4-Bromophenyl phenyl ether		10	U
87-86-5Pentachlorophenol       25       U         85-01-8Phenanthrene       10       U         120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0				10	ט
10   U   120-12-7Phenanthrene   10   U   120-12-7Anthracene   10   U   120-12-7Anthracene   10   U   120-12-7Di-n-butyl phthalate   10   U   10   10   10   10   10   10	1912-24-9	Atrazine	· · · · · · · · · · · · · · · · · · ·	10	U
120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Benzo (b) fluoranthene       10       U         205-99-2Benzo (k) fluoranthene       10       U         207-08-9Benzo (a) pyrene       10       U         193-39-5	87-86-5	Pentachlorophenol		25	U
86-74-8Carbazole       10       U         84-74-2Di-n-butyl phthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1, 2, 3-cd) pyrene       10       U	85-01-8	Phenanthrene		10	ט
84-74-2	120-12-7	Anthracene		10	U
206-44-0Fluoranthene       10       U         129-00-0				10	U
129-00-0Pyrene       10       U         85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo(a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Bi-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5	84-74-2	Di-n-butyl phthalate		10	υ
85-68-7Butyl benzyl phthalate       10       U         91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Di-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U	206-44-0	Fluoranthene		10	U
91-94-13,3'-Dichlorobenzidine       10       U         56-55-3Benzo (a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Di-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1, 2, 3-cd) pyrene       10       U	129-00-0	Pyrene		10	U
56-55-3Benzo (a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Di-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1, 2, 3-cd) pyrene       10       U	85-68-7	Butyl benzyl phthalate		10	ט
218-01-9Chrysene       10       U         117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Di-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1, 2, 3-cd) pyrene       10       U				. 10	U
117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Bi-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U	56-55-3	Benzo (a) anthracene	-	10	U
117-81-7Bis (2-ethylhexyl) phthalate       10       U         117-84-0Bi-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U	218-01-9	Chrysene		10	U
117-84-0Di-n-octyl phthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U				10	υ
205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U				10	שו
207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1,2,3-cd) pyrene       10       U				10	ט
50-32-8Benzo (a) pyrene 10 U 193-39-5Indeno (1, 2, 3-cd) pyrene 10 U				10	lυ
193-39-5Indeno (1, 2, 3-cd) pyrene 10 U					1 "
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Client No.

Lab Name: STL Buffalo	Contract:		MW-4B
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40005
Sample wt/vol: $\underline{1015.0}$ (g/mL)	<u>ML</u>	Lab File ID:	W06814.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/	/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000(1	ıL)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0			•
CAS NO. COMPOUND		ONCENTRATION UNITS: (ug/L or ug/Kg) [	
191-24-2Benzo (ghi) pe	rylene		10

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## ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		MW-4B
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>WATER</u>		Lab Sample ID:	<u>A5D40005</u>
Sample wt	t/vol: <u>1015.</u>	0 (g/ml) <u>Ml</u>	Lab File ID:	W06814.RR
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moistu	re: decan	ted: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentra	ated Extract Volum	e: <u>1000</u> (uL)	Date Analyzed:	12/01/2005
Injection	n Volume:2.00	(uL)	Dilution Factor:	1.00
GPC Clear	nup: (Y/N) <u>N</u>	pH: <u>7.0</u>		
Number Ti	ICs found: <u>1</u>		CONCENTRATION UNIT (ug/L or ug/Kg)	
	CAS NO.	Compound Name	RT Est.	Conc. Q

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.42	8	BJ

Lab Name: STL Buffalo	Contract:	-	MM-6A
Lab Code: RECNY Case	No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WAT	TER.	Lab Sample ID:	<u>A5D40013</u>
Sample wt/vol: 990	<u>).00</u> (g/mL) <u>ML</u>	Lab File ID:	W06824.RR
Level: (low/med) LOW	Į	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: dec	canted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract Vol	iume: 1000 (uL)	Date Analyzed:	12/02/2005
Injection Volume: 2.0	<u>00</u> (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N	pH: <u>7.0</u>		

CAS NO.	COMPOLIND	CONCENTRATION C (ug/L or ug/Kg		Q	
83-32-9 51-28-5	Acenaphthene 2,4-Dinitrophenol		1 25	J U Ř	1
100-02-7	4-Nitrophenol		25	U	
132-64-9	Dibenzofuran		0.7	J	
121-14-2	2,4-Dinitrotoluene		10	U	
84-66-2	Diethyl phthalate		10	บ	l
7005-72-3	4-Chlorophenyl phenyl ether		10	n n	
86-73-7	Fluorene		3	J	T
100-01-6	4-Nitroaniline		25	U	
534-52-1	4,6-Dinitro-2-methylphenol	· · · · · · · · · · · · · · · · · · ·	25	UR	
86-30-6	N-nitrosodiphenylamine		10	טו	1
101-55-3	4-Bromophenyl phenyl ether		10	II	l
118-74-1	Hexachlorobenzene		10	Ū	١
1912-24-9			10	Ū	
87-86-5	Pentachlorophenol		25	UR	
85-01-8	Phenanthrene		3	J'	
120-12-7	Anthracene		10	Ū	
86-74-8	Carbazole		10	עו	l
84-74-2	Di-n-butyl phthalate	·	10 '	Ū	l
206-44-0	Fluoranthene		3	J	
129-00-0	Pyrene		3	J	
85-68-7	Butyl benzyl phthalate		10	Ū	
91-94-1	3,3'-Dichlorobenzidine		10	lΰ	l
56-55-3	Benzo (a) anthracene		10	lΰ	
218-01-9	Chrysene		10	Ū	
117-81-7	Bis(2-ethylhexyl) phthalate	···	20		
117-84-0	Di-n-octyl phthalate		10	U	ĺ
205-99-2	Benzo (b) fluoranthene		10	U	ĺ
207-08-9	Benzo (k) fluoranthene		10	U	l
50-32-8	Benzo (a) pyrene		10	U	1
193-39-5	Indeno (1,2,3-cd) pyrene		10	U	i
53-70-3	Dibenzo(a,h)anthracene		10	U	ı
	<del></del>		_3	1	

Client No.

Lab Name: <u>STL Buffalo</u>	2 0.	ontract:		MW-6A
Lab Code: <u>RECNY</u> Ca	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER		Lab Sample ID:	A5D40013
Sample wt/vol:	<u>990.00</u> (g/mL) <u>M</u>	يا	Lab File ID:	W06824.RR
Level: (low/med)	TOM		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N)	) Й	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	<b>)</b>	Date Analyzed:	12/02/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNI		_
CAS IV.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
100-52-7	Benzaldehyde		10	U
108-95-2			10	UR
111-44-4	Bis(2-chloroethyl) ether		10	lu l
95-57-8	2-Chlorophenol		10	Ισκ Ι
95-48-7	2-Methylphenol		10	โบลิ
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	Ū
	Acetophenone		10	ט
106-44-5	4-Methylphenol		10	UR
621-64-7	N-Nitroso-Di-n-propylamine		10	ט '
67-72-1	Hexachloroethane		10	ט
	Nitrobenzene		10	ט ו
78-59-1	Isophorone		10	ן ט
88-75-5	2-Nitrophenol		10	lu R
105-67-9	2,4-Dimethylphenol		10	บล
111-91-1	Bis(2-chloroethoxy) methane		10	ט `
120-83-2	2,4-Dichlorophenol		10	UR
	Naphthalene		3	J
	4-Chloroaniline		10	ן ט
	Hexachlorobutadiene		10	ע
	Caprolactam		10	U
59-50-7	4-Chloro-3-methylphenol		10	υR
91-57-6	2-Methylnaphthalene		1	J
77-47-4	Hexachlorocyclopentadiene		25	ן ט
88-06-2	2,4,6-Trichlorophenol		10	Jur
95-95-4	2,4,5-Trichlorophenol		10	UR
92-52-4	Biphenyl		10	lu l
	2-Chloronaphthalene		10	υ
	2-Nitroaniline		25	U
131-11-3	Dimethyl phthalate		10	Ū
208-96-8	Acenaphthylene		0.8	J
606-20-2	2,6-Dinitrotoluene		10	ט
99-09-2	3-Nitroaniline		25	U
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Lab Name	: <u>STL Buffal</u>	G	ontract:		MW-6A	
Lab Code	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:		
Matrix:	(soil/water)	WATER		Lab Sample ID:	A5D40013	
Sample wt	:/vol:	<u>990.00</u> (g/mL) <u>M</u>	. يا	Lab File ID:	W06824.RR	
Level:	(low/med)	TOM	·	Date Samp/Recv:	11/22/2005	11/23/2005
% Moistur	œ:	decanted: (Y/N)	N N	Date Extracted:	11/28/2005	
Concentra	ated Extract	Volume: 1000 (uL)	)	Date Analyzed:	12/02/2005	
Injection	n Volume:	2.00 (uL)		Dilution Factor:	1.00	
GPC Clear	up: (Y/N) <u>i</u>	N pH: 7.0		•		
r	CAS NO.	COMPOUND		CENTRATION UNITS:		Q
	191-24-2	Benzo(ghi)per	vlene		10 U	

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-6A	
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Lab Name: STL Buffalo Contract:

Lab Code: RECONY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40013

Sample wt/vol: 990.00 (g/mL) ML Lab File ID:  $\underline{W06824.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/02/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

Number TICs found:  $\underline{24}$  (ug/L or ug/Kg)  $\underline{\text{UG/L}}$ 

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.29	14	J
2.	UNKNOWN HYDROCARBON	6.61	10	J
3.	UNKNOWN HYDROCARBON	7.66	7	J
4. 78-40-0	TRIETHYL PHOSPHATE	7.72	310	JN
5.	UNKNOWN HYDROCARBON	7.90	6	J
6.	UNKNOWN BENZENE DERIVATIVE	8.05	10	J
7.	UNKNOWN BENZENE DERIVATIVE	8.07	12	J
8.	UNKNOWN NAPHIHALENE DERIVATI	8.20	6	J
9.	UNKNOWN HYDROCARBON	9.15	8	J
10.	UNKNOWN HYDROCARBON	10.15	9	J
11.	UNKNOWN PHENOL DERIVATIVE	10.27	12	J
12. 571-58-4	1,4-DIMETHYL NAPHTHALENE	10.54	8	JN
13.	UNKNOWN HYDROCARBON	10.60	39	J
14.	UNKNOWN HYDROCARBON	10.90	56	J
15.	UNKNOWN	10.96	10	J
16.	UNKNOWN INDENE DERIVATIVE :	11.28	10	J
17.	UNKNOWN	11.54	28	J
18.	UNKNOWN	11.64	36	J
19.	UNKNOWN HYDROCARBON	12.50	20	J
20. 36728-72-0	28-NOR-17.BETA. (H)-HOPANE	17.53	20	JN
21.	UNKNOWN CHOLESTAN-3-ONE ISOM	17.71	100	J
22.	UNKOWN	17.84	6	J
23.	UNKNOWN CHOLESTAN-3-ONE ISOM	17.87	12	J

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	e: <u>STL Buffalo</u>	Contract:			MW-6A		
Lab Code	: RECNY Case N	o.: SAS No.:	SDG No.:				
Matrix:	(soil/water) WATE	R	Lab Samp	le ID:	A5D400	13	
Sample w	t/vol: <u>990.</u>	00 (g/mL) <u>ML</u>	Lab File	ID:	W06824	.RR	-
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv:	11/22/	2005 <u>1</u>	1/23/2005
% Moistu	re: deca	nted: (Y/N) <u>N</u>	Date Ext	racted:	11/28/2	2005	
Concentr	ated Extract Volum	me: <u>1000</u> (uL)	Date Ana	lyzed:	12/02/2	2005	
Injection	n Volume:2.00	Q (uL)	Dilution	Factor:	1.0	<u>00</u>	
GPC Clear	nup: (Y/N) N	pH:					
Number T	ICs found: 24		CONCENTRATION (ug/L or to			_	
• • •	CAS NO.	Compound Name	RT	Est. (	Conc.	Q	
i							

	CONPORTE NAME	KI	Est. Conc.	Q
24.	UNKNOWN	18.22	7	J

Lab Name: STL Buffal	<u>lo</u> Contract:		MW-6A RI
Lab Code: RECNY (	Case No.: SAS No.:		
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40013RI</u>
Sample wt/vol:	990.00 (g/mL) <u>ML</u>	Lab File ID:	W06848.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/02/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	10.00
GPC Cleanup: (Y/N)	<u>N</u> pH: <u>7.0</u>		•

		CONCENTRATION	UNITS:	
CAS NO. COMP	OUND	(ug/L or ug/		<u>}/L</u> Q
100-52-7Benza	aldehyde		10	0 111
108-95-2Pheno			10	19
111-44-4Bis(	2-chloroethyl) ether		10	٠ ا
95-57-82-Ch	lorophenol		10	- 1
95-48-72-Met	hvlphenol		10	- 10
108-60-12,21-	-Oxybis (1-Chloroprop	ane)	10	· 10
98-86-2Aceto	ophenone		100	٠ ١٠
106-44-54-Met	hylphenol		100	٠ ١٠
621-64-7N-Nit	roso-Di-n-propylami	ne	100	- 19
67-72-1Hexac	hloroethane		100	- 1-
98-95-3Nitro	benzene		100	- , _
78-59-1Isoph	porone		1	
88-75-52-Nit	rophenol		100	
105-67-92,4-D	Dimethylphenol		100	- 1-
111-91-1Bis(2	-chloroethoxy) metha		100	- 10
120-83-22,4-D	Dichlorophenol		100	i =
91-20-3Napht	halene		100	
106-47-84-Chl	oroaniline		100	1 -
87-68-3Hexac	hlombutadiene		100	ŧ -
105-60-2Capro	lactam		100	I =
59-50-74-Chl	OM-3-methylphenol		100	i -
91-57-62-Met	hvlnaphthalene		100	
77-47-4Hexac	hlorocyclopentadiens		100	, <del>-</del>
88-06-22,4,6	-Trichlomphenol		250	1 -
95-95-42,4,5	-Trichlomphonol		100	1 -
92-52-4Bipher	my		100	"
91-58-72-Chlo	oxonanhthalana		100	10
88-74-42-Niti	manilina		100	
131-11-3Dimet	nd phthalata		250	1 =
208-96-8Acenar	optwy opo		100	10
606-20-22,6-D	nitrotoliama		100	1 -
99-09-23-Nita	maniline maniline		100	10
22 % 2-1ATCI	-oantine		250	Ju

Lab Name: SIL Buffalo	Contract:	<u> </u>	MW-6A RI
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40013RI
Sample wt/vol: 990.00 (g/m	nL) <u>ML</u>	Lab File ID:	W06848.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted:	(Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 100	<u>)0</u> (uL)	Date Analyzed:	12/02/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	10.00
GPC Cleanup: (Y/N) N pH: 7.0	<u>)</u>	•	

CAS NO.	COMPOUND	CONCENTRATION U (ug/L or ug/Kg		<sup>°</sup> Q
83-32-9	Acenaphthene	(*9), = 0= 35), 15		<del>- 1</del>
51-28-5	2,4-Dinitrophenol		100	U
100-02-7	4-Nitrophenol		250	ש
132-64-9	Dibenzofuran		250	U
121-14-2	2,4-Dinitrotoluene		100	U
84-66-2	Diethyl phthalate	· · · · · · · · · · · · · · · · · · ·	100	U
7005-72-3	4-Chlorophenyl phenyl ether		100	ט
86-73-7	Fluorene		100	ט
100-01-6	4-Nitroaniline		100	U
534-52-1	4,6-Dinitro-2-methylphenol		250	U
86-30-6	N-nitrosodiphenylamine		250	ע
101-55-3	4-Bromophenyl phenyl ether		100	ן ט
118-74-1	Hexachlorobenzene		100	ן ט
1912-24-9	Atrazine		100	ן ט
87-86-5	Pentachlorophenol		100	ט
85-01-8	Phenanthrene		250	U
120-12-7	Anthracene		6	J
	Carbazole		100	U
84-74-2	Di-n-butyl phthalate		100	U
206-44-0	Fluoranthene		100	U
129-00-0	Propo		12	J
85-68-7	Butyl benzyl phthalate	``	18	J
91-94-1	3,3'-Dichlorobenzidine		100	U
56-55-3	Benzo (a) anthracene		100	U
218-01-9	Chargons		5	J
117-81-7	Bis(2-ethylhexyl) phthalate		9	J
117-84-0	Dis(2-eclylhexyl) phthalate_ Di-n-octyl phthalate		100	U
205-99-2	Benzo (b) fluoranthene		100	U
207-08-9-	Beilzo (b) Fluoranthene Benzo (k) fluoranthene		15	J
50-32-8	Benzo (a) pyrene		15	J
193-30-5-	- Indone (1, 2, 2, -3)	- <u></u>	9	J
53-70-2-	Indeno (1, 2, 3-cd) pyrene		6	J
	Dibenzo (a, h) anthracene		100	U
	<u> </u>			_1

Lah Nama: STI. Buff	alo Co	ontract.		MW-6A RI	
TON MONE: DITT DOTT	<u>aro</u> ((	MICLACU:			
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.:	-	
Matrix: (soil/wate	r) <u>WATER</u>		Lab Sample ID:	<u>A5D40013R1</u>	[
Sample wt/vol:	<u>990.00</u> (g/mL) <u>M</u>	בַ	Lab File ID:	W06848.RR	<del></del>
Level: (low/med)	TOM		Date Samp/Recv:	11/22/2005	11/23/2005
% Moisture:	decanted: (Y/N)	) <u>N</u>	Date Extracted:	11/28/2005	5
Concentrated Extra	ct Volume: 1000 (uL)	)	Date Analyzed:	12/02/2005	2
Injection Volume:_	2.00 (uL)		Dilution Factor	: 10.00	·
GPC Cleanup: (Y/N	) <u>N</u> pH: <u>7.0</u>				
CAS NO.	COMPOUND	-	CONCENIRATION UNITS (ug/L or ug/Kg)	•	Q
191-24-2-	Benzo(ghi)per	vlene ·		8 3	r

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffal	Ocontract:		MW-6A RI
Lab Code: RECNY (	Case No.:SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40013RI
Sample wt/vol:	990.00 (g/mL) <u>ML</u>	Lab File ID:	W06848.RR
Level: (low/med)	<u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/02/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	10.00

Number TICs found: \_\_7

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4. 5. 6.	UNKNOWN INDENE DERIVATIVE UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN	10.57 10.87 11.50 11.56 11.60 17.47 17.77	30 44 \$ 50 21 53 58 56	J J J J J J J J J J

Lab Name: STL Buffal	o Contract:		MW-6B
Date Parice Din Durian	Oncrace.	<del></del>	
Lab Code: RECNY C	fase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40014</u>
Sample wt/vol:	980.00 (g/mL) <u>ML</u>	Lab File ID:	W06825.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/02/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	N pH: 7.0	·	

	-	CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
100-52-7	Benzaldehyde		10	บ
108-95-2	Phenol	· · · · · · · · · · · · · · · · · · ·	10	U
111-44-4	Bis(2-chloroethyl) ether		10	ט
95-57-8	2-Chlorophenol		10	ט
95-48-7	2-Methylphenol		10	ប
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	U
98-86-2	Acetophenone		10	U
	4-Methylphenol		10	ש
621-64-7	N-Nitroso-Di-n-propylamine		10	υ
	Hexachloroethane		10	ט
	Nitrobenzene		10	บ
78-59-1	Isophorone		10	ט
88-75-5	2-Nitrophenol		10	U
105-67-9	2,4-Dimethylphenol		10	U
111-91-1	Bis(2-chloroethoxy) methane		10	ับ
120-83-2	2,4-Dichlorophenol		10	ט
91-20-3	Naphthalene		10	ש
106-47-8	4-Chloroaniline		10	ט .
87-68-3	Hexachlorobutadiene		10	ט
105-60-2	Caprolactam		10	ט
59-50-7	4-Chloro-3-methylphenol		10	ט
91-57-6	2-Methylnaphthalene		10	ט
77-47-4	Hexachlorocyclopentadiene		26	ט
88-06-2	2,4,6-Trichlorophenol		10	ט
	2,4,5-Trichlorophenol		10	ט ו
92-52-4	Biphenyl		10	ט
91-58-7	2-Chloronaphthalene		10	Ū
	2-Nitroaniline		26	ו ען
131-11-3	Dimethyl phthalate		10	Ū
	Acenaphthylene		10	Ū
	2,6-Dinitrotoluene		10	ן ע
	3-Nitroaniline		26	<u>"</u>
				i

Client No.

Lab Name: STL Buffalo	ō	Contract:		MW-6B
Lab Code: <u>RECNY</u> Co	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER		Lab Sample ID:	A5D40014
Sample wt/vol:	980.00 (g/mL)	<u>ML</u>	Lab File ID:	W06825.RR
Level: (low/med)	TOM		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/	и) <u>й</u>	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (u	L)	Date Analyzed:	12/02/2005
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND	CONCENTRATION (ug/L or ug/k		Q
83-32-9	ether  henol e ether	10 26 26 26 10 10 10 10 10 10 10 10 10 10 10 10 10	ממממממממממממממממממממ
117-84-0Di-n-octyl phthalate 205-99-2Benzo (b) fluoranthene 207-08-9Benzo (k) fluoranthene 50-32-8Benzo (a) pyrene 193-39-5Indeno (1,2,3-cd) pyrene 53-70-3Dibenzo (a,h) anthracene		10 10 10 10 10	บ บ บ บ บ

•	-	•	MW-6B
Lab Name: STL Buffa	lo Contract:		
Lab Code: RECNY (	Case No.: SAS No.:	_ SDG No.:	
Matrix: (soil/water)	) <u>WATER</u>	Lab Sample ID:	A5D40014
Sample wt/vol:	<u>980.00</u> (g/mL) <u>ML</u>	Lab File ID:	W06825.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	t Volume: 1000 (uL)	Date Analyzed:	12/02/2005
Injection Volume:	2.00(uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH: _7.0		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>i</u>	IG/L Q
191-24-2	Benzo (ahi ) perzilene		10 11

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	STL Buffalo	Contract:			[		<u></u>	
Lab Code:	RECNY Case	No.: SAS No.: _		SDG No.: _	<del></del>			
Matrix:	(soil/water) <u>WAT</u>	<u>er</u>		Iab Sampl	e D:	A5D4001	4	
Sample wt	/vol: <u>980</u>	<u>.00</u> (g/mL) <u>ML</u>	•	Lab File	D:	W06825.	RR	-
Level:	(low/med) <u>LOW</u>	,		Date Samp	/Recv:	11/22/2	005 11/	/23/2005
% Moistur	re: dec	anted: (Y/N) N		Date Extr	acted:	11/28/2	005	
Concentra	ited Extract Vol	ume: <u>1000</u> (uL)		Date Anal	yzed:	12/02/2	005	
Injection	Volume: 2.	00 (uL)		Dilution	Factor:	1.0	<u>o</u>	
GPC Clear	nup: (Y/N) N	pH:7.0						
Number Ti	Cs found: <u>1</u>		(	CONCENIRATI (ug/L or u				
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.42	21	BJ

Client No.

Lab Name: STL Buffalo	Contract:		AB-MM
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40009
Sample wt/vol:	<u>1050.0</u> (g/mL) ML	Lab File ID:	W06818.RR
Level: (low/med)	<u>IOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: $(Y/N)$ <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENIRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
100-52-7	Benzaldehyde		10	U
108-95-2			10	U
111-44-4	Bis(2-chloroethyl) ether		10	U
95-57-8	2-Chlorophenol		10	U
95-48-7	2-Methylphenol		10	ש
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	ש
98-86-2	Acetophenone		10	U
106-44-5	4-Methylphenol		10	ט
621-64-7	N-Nitroso-Di-n-propylamine		10	Ū
67-72-1	Hexachloroethane		10	U
	Nitrobenzene		10	Ū
78-59-1	Isophorone	··	10	Ū
	2-Nitrophenol	· · · · · · · · · · · · · · · · · · ·	10	Ū
105-67-9	2,4-Dimethylphenol		10	Ū
	Bis(2-chloroethoxy) methane		10	Ιυ
120-83-2	2,4-Dichlorophenol		10	υ
91-20-3	Naphthalene		10	Ü
	4-Chloroaniline		10	บ
87-68-3	Hexachlorobutadiene		10	Ū
105-60-2	Caprolactam		10	บ
	4-Chloro-3-methylphenol		10	Ū
	2-Methylnaphthalene		10	Ü
	Hexachlorocyclopentadiene		24	Ū
88-06-2	2,4,6-Trichlorophenol		10	บ
	2,4,5-Trichlorophenol		10	Ū
92-52-4			10	ΙŬ
	2-Chloronaphthalene		10	Ü
	2-Nitroaniline		24	Ū
	Dimethyl phthalate		10	lσ
	Acenaphthylene		10	บ
	2,6-Dinitrotoluene		10	บ
	3-Nitroaniline		24	IJ
			₩ 1	١٠ .

Client No.

Lab Name: STL Buffal	o Contract:	-	MW-8A
Lab Code: RECNY C	dase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40009
Sample wt/vol:	<u>1050.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06818.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	<u>2.00</u> (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	UG/L	Q
83-32-9	Acenaphthene		10	U
51-28-5	2,4-Dinitrophenol		24	. ען .
100-02-7	4-Nitrophenol		24	ע
132-64-9	Dibenzofuran		10	ט
121-14-2	2,4-Dinitrotoluene		10	ט
84-66-2	Diethyl phthalate		10	ט
7005-72-3	4-Chlorophenyl phenyl ether		10	U
86-73-7			10	U
	4-Nitroaniline		24	ט
534-52-1	4,6-Dinitro-2-methylphenol		24	ט
86-30-6	N-nitrosodiphenylamine		10	ט
101-55-3	-4-Bromophenyl phenyl ether		10	ן ט
118-74-1	Hexachlorobenzene		10	ן ט
1912-24-9			10	ן ט
	Pentachlorophenol		24	ן ט
	Phenanthrene		10	ן ט
120-12-7			10	ט ו
86,-74-8			10	ן מן
84-74-2	Di-n-butyl phthalate		10	U
	Fluoranthene		10	ט
129-00-0			10	u
85-68-7 <b></b>	Butyl benzyl phthalate		10	ט
91-94-1	-3,3'-Dichlorobenzidine		10	ן ע
56-55-3	Benzo (a) anthracene		10	Ū
218-01-9	-Chrysene		10	Ū
117-81-7	-Bis(2-ethylhexyl) phthalate	,	10	U
117-84-0	-Di-n-octyl phthalate		10	tī
205-99-2	-Benzo (b) fluoranthene		10	lu l
207-08-9	-Benzo(k) fluoranthene		10	li li
50-32-8	-Benzo (a) pyrene		10	TI I
193-39-5	-Indeno (1,2,3-cd) pyrene		10	U
53-70-3	-Dibenzo (a, h) anthracene		10	TI I
			10	1

			·		A8-WM	
Lab Name:	: SIL Buffal	<u>o</u> Cc	ntract:			
Lab Code:	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	<del>_</del>	
Matrix:	(soil/water)	WATER		Lab Sample ID:	A5D40009	<del>-</del>
Sample wt	:/vol:	1050.0 (g/mL) ML	ļ	Lab File ID:	W06818.RR	<del></del>
Level:	(low/med)	TOM		Date Samp/Recv:	11/22/200	5 11/23/2005
% Moistur	œ:	decanted: (Y/N)	<u>N</u>	Date Extracted:	11/28/200	5
Concentra	ated Extract	Volume: 1000 (บไ.)		Date Analyzed:	12/01/200	5
Injection	ı Volume:	2.00 (uL)		Dilution Factor	:1.00	
GPC Clear	nup: (Y/N) ]	N pH: 7.0				
	CAS NO.	COMPOUND		ONCENIRATION UNITS (ug/L or ug/Kg)	•	Q
	191-24-2	Benzo(ghi)pery	lene		10	J

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contract:	MV-8A
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Iab Sample ID: <u>A5D40009</u>
Sample wt/vol: 1050.0 (g/mL) ML	Lab File ID: W06818.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/01/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH:7.0	
Number TICs found: 4	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est, Conc.	Q
1. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.64	100	JN
2.	UNKNOWN PHENOL DERIVATIVE	14.68	2	J
3. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.29	91	JN
4.	UNKNOWN AMIDE DERIVATIVE	16.42	10	BJ

Client No.

Lab Name: STL Buffa	alo Contract:	<del></del>	MM-8B
Lab Code: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water	c) <u>Water</u>	Lab Sample ID:	A5D40010
Sample wt/vol:	1035.0 (g/mL) <u>ML</u>	Lab File ID:	W06819.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extra	ct Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:_	2.00 (ਪ1.)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CONCENTRATION	INTTS-
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Client No.

Lab Name: STL Buffal	lo Contract:	····-	MM-8B
Lab Code: <u>RECNY</u> (	Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40010
Sample wt/vol:	<u>1035.0</u> (g/mL) ML	Lab File ID:	W06819.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: $(Y/N)$ $\underline{N}$	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	N pH: _7.0	•	

CAS NO.

117-84-0-----Di-n-octyl phthalate

205-99-2----Benzo (b) fluoranthene

207-08-9----Benzo (k) fluoranthene

193-39-5----Indeno (1,2,3-cd) pyrene

53-70-3----Dibenzo (a, h) anthracene

50-32-8-----Benzo (a) pyrene

CONCENTRATION UNITS:

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COMPOUND (ug/L or ug/Kg) <u>UG/L</u> Q 83-32-9----Acenaphthene 10 U 51-28-5----2,4-Dinitrophenol 24 U 100-02-7----4-Nitrophenol 24 Ū 132-64-9----Dibenzofuran 10 U 121-14-2----2,4-Dinitrotoluene 10 U 84-66-2-----Diethyl phthalate 10 U 7005-72-3----4-Chlorophenyl phenyl ether 10 IJ 86-73-7----Fluorene 1.0 U 100-01-6----4-Nitroaniline 24 U 534-52-1----4,6-Dinitro-2-methylphenol 24 U 86-30-6----N-nitroscdiphenylamine 10 U 101-55-3----4-Bromophenyl phenyl ether 10 IJ 118-74-1----Hexachlorobenzene 10 U 1912-24-9----Atrazine 10 U 87-86-5----Pentachlorophenol 24 U 85-01-8-----Phenanthrene 10 U 120-12-7----Anthracene 10 U 86-74-8-----Carbazole 10 U 84-74-2----Di-n-butyl phthalate 10 U 206-44-0----Fluoranthene 10 U 129-00-0-----Pyrene 10 U 85-68-7-----Butyl benzyl phthalate 10 U 91-94-1----3,3 -Dichlorobenzidine 10 U 56-55-3-----Benzo (a) anthracene 10 U 218-01-9----Chrysene 10 U 117-81-7----Bis(2-ethylhexyl) phthalate 10 U

Lab Name: STL Buffalo	Contract.		MW-8B
TED MOUE: SID DULLATO	CONCLACE:	<del></del>	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	-
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40010
Sample wt/vol: <u>1035.0</u> (g/	/mL) <u>ML</u>	Lab File ID:	W06819.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted:	(Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 10	<u>)00</u> (uL)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)	•	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.	0	•	
CAS NO. COMPOUND	_	CONCENIRATION UNITS: (ug/L or ug/Kg)	
191-24-2Benzo (gh	ni)perylene		10 U

12 BJ

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Nama	: STL Buffalo	Contract:	MA <sub>RAM</sub>	MW-8B		
Lab Code	: <u>RECNY</u> Case No	O.: SAS No.:	SDG No.:			
Matrix:	(soil/water) WATER	3	Lab Samp	le ID: <u>A5D40</u>	010	
Sample w	t/vol: <u>1035</u> .	<u>0</u> (g/mL) <u>M</u> L	Lab File	ID: <u>W0681</u>	9.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>11/22</u>	/2005 <u>:</u>	11/23/2005
% Moistu	re: decar	ted: (Y/N) N	Date Ext	racted: <u>11/28</u>	/2005	
Concentr	ated Extract Volum	e: <u>1000</u> (uL)	Date Ana	lyzed: <u>12/01</u>	<u>/2005</u>	
Injection	n Volume: 2.00	(uL)	Dilution	Factor: 1.	00	
GPC Clear	nup: (Y/N) <u>N</u>	pH:7.0				
Number Ti	ICs found: _1		CONCENTRATION (ug/L or t	CON UNITS: pg/Kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
,	1.	UNKNOWN AMIDE DERIVATIVE	16.43	12	BT	†

16.43

Client No.

Lab Name: SIL Buffal	o Contract:	•	MW-9A
Lab Code: <u>RECNY</u> C	fase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40011
Sample wt/vol:	<u>1000.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06820.RR
Level: (low/med)	<u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONTINUE TO A POST OF T	T TO THE CO.
CONCENTRATION	UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
	Benzaldehyde		10	ט
108-95-2			10	ע
111-44-4	Bis(2-chloroethyl) ether		10	ן ט
	2-Chlorophenol		10	U
95-48-7	2-Methylphenol		10	ן ט
108-60-1	2,2'-Oxybis(1-Chloropropane)		10	ע
	Acetophenone		10	U
106-44-5	4-Methylphenol		10	U
	N-Nitroso-Di-n-propylamine		10	י ט
	Hexachloroethane		10	ט
	Nitrobenzene		10	ש
78-59-1	Isophorone		10	ן ט
	2-Nitrophenol		10	ן ט
105-67-9	2,4-Dimethylphenol	<del></del> -	10	U
111-91-1	Bis(2-chloroethoxy) methane		10	U
120-83-2	2,4-Dichlorophenol	-	10	U
91-20-3	Naphthalene		10	U
	4-Chloroaniline		10	[บ
	Hexachlorobutadiene		10	ប
105-60-2	Caprolactam		10	U
59-50-7	4-Chloro-3-methylphenol		10	ט
	2-Methylnaphthalene		10	ע
77-47-4	Hexachlorocyclopentadiene		25	ע
88-06-2	2,4,6-Trichlorophenol		10	ן ט
95-95-4	2,4,5-Trichlorophenol		10	ט
92-52-4	Biphenyl		10	ט
	2-Chloronaphthalene		10	ן ט
	2-Nitroaniline		25	U
	Dimethyl phthalate		10	U
208-96-8	Acenaphthylene		10	U
606-20-2	2,6-Dinitrotoluene	***	10	U
	3-Nitroaniline		25	U

### ASP 2000 - METHOD 8270 SEMIVOLATILES AVALYSIS DATA SHEET

Lab Name: STL Buffal	lo Contract:		MW-9A
Lab Code: RECNY	Tase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40011</u>
Sample wt/vol:	<u>1000.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06820.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) ]	<u>N</u> pH: <u>7.0</u>		•

CAC NO		CONCENTRATION (	MITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	g) <u>UG/L</u>	Q
83-32-9	Acenaphthene		10	ט
51-28-5	2.4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25 25	U
132-64-9	Dibenzofuran		10	I -
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethyl phthalate		10	ប
7005-72-3	4-Chlorophenyl phenyl ether			U
86-73-7	Fluorene -		10	U
100-01-6	4-Nitroaniline		10	Ū
534-52-1	4.6-Dinitm-2-methylphenol		25 25	U
86-30-6 <del>-</del>	N-nitrosodiphenvlamine		25	U
TOT-22-3	4-Bromophenyl phenyl ether		10	Ū
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol	<del></del>	10	U
85-01-8	Phenanthrene	<del></del>	25	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butyl phthalate		10	U
206-44-0	Fluoranthene		10	υ
129-00-0	Pyrene		10	ַ ט
85-68-7	Butyl benzyl phthalate	<del></del>	10	U
91-94-1	3,3'-Dichlorobenzidine		10	ט
56-55-3	Benzo (a) anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	Bis(2-ethylhexyl) phthalate		10	U
117-84-0	Di-n-octyl phthalate		10	U
205-99-2	Benzo (b) fluoranthene		10	Ū
207-08-9	Benzo (k) fluoranthene		10	U
50-32-8	Benzo (a) pyrene		10	U
193-39-5	Indone (1, 2, 2, -1)		10	ט
53-70-3	Indeno (1,2,3-cd) pyrene Dibenzo (a,h) anthracene		10	ט
			10	U
				1 1

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: <u>STL Buffalo</u> Co	ontract:		MW-9A	
Lab Code: RECNY Case No.:	<del></del>			
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40011	
Sample wt/vol: <u>1000.0</u> (g/mL) <u>M</u>	<u></u>	Lab File ID:	W06820.RR	<del></del>
Level: (low/med) <u>IOW</u>		Date Samp/Recv:	11/22/2005	11/23/2005
% Moisture: decanted: (Y/N)	) <u>й</u>	Date Extracted:	11/28/2005	
Concentrated Extract Volume: 1000 (uL)	)	Date Analyzed:	12/01/2005	
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00	
GPC Cleanup: (Y/N) N pH: 7.0	•			
CAS NO. COMPOUND		CENTRATION UNITS: g/L or ug/Kg) <u>U</u>	G/L_	Q
191-24-2Benzo (ghi) pery	zlene		10 U	

## ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		MW-9A	·	
Lab Code	: <u>RECNY</u> Case	No.: SAS No.:	_ SDG No.:			
	(soil/water) WA			le ID: <u>A5D40</u>	011	
Sample w	/t/vol: <u>100</u>	0.0 (g/mL) <u>ML</u>		ID: <u>W0682</u>		
Level:	(low/med) <u>IO</u>			p/Recv: <u>11/22</u> ,		
% Moistu	re: dec	anted: (Y/N) N		racted: <u>11/28</u> ,		
Concentr	ated Extract Vol	ume: <u>1000</u> (uL)	Date Anal	lyzed: <u>12/01</u> ,	<b>/</b> 2005	
Injection	n Volume:2.	<u>00</u> (vL)	Dilution	Factor:1.	.00	
GPC Clear	nup: (Y/N) <u>N</u>	pH:7.0		•		
Number T	ICs found: 1		CONCENIRATI (ug/L or u	ON UNITS: ng/kg) <u>UG/L</u>		
	CAS NO.	Compound Name	RT	Est. Conc.	Q	]
	· · · · · · · · · · · · · · · · · · ·				ī	ı

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN AMIDE DERIVATIVE	16.45	14	BJ

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Bufi	falo Contract:		MW-9B
	0011010001		
Lab Code: <u>RECNY</u>	Case No.: SAS No.	: SDG No.:	
Matrix: (soil/wate	er) <u>WATER</u>	Lab Sample ID:	A5D40012
Sample wt/vol:	<u>1000.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06821.RR
Level: (low/med)	<u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: $(Y/N)$ N	Date Extracted:	11/28/2005
Concentrated Extra	act Volume: 1000 (uL)	Date Analyzed:	12/01/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION	UNITS:
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		CONCENTRATION UNI		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L_	Q
100-52-7	Benzaldehyde		10	U
108-95-2			10	Ū
111-44-4	Bis(2-chloroethyl) ether		10	Ū
95-57-8	2-Chlorophenol		10	Ū
95-48-7	2-Methylphenol		10	ט
108-60-1	2,2'-Oxybis(1-Chloropropane	)	10	Ū
98-86-2	Acetophenone		10	שׁ
106-44-5	4-Methylphenol		10	lυ
621-64-7	N-Nitroso-Di-n-propylamine		10	Ū
67-72-1	Hexachloroethane		10	ט
	Nitrobenzene		10	Ū
78-59-1	Isophorone		10	<u>"</u>
88-75-5	2-Nitrophenol		10	ש
	2,4-Dimethylphenol		10	Ū
	Bis(2-chloroethoxy) methane		10	Ū
120-83-2	2,4-Dichlorophenol		10	Ū
	Naphthalene		10	บ
	4-Chloroaniline		10	Ū
87-68-3	Hexachlorobutadiene		10	Ū
105-60-2	Caprolactam		10	Ū
	4-Chloro-3-methylphenol		10	Ū
	2-Methylnaphthalene		10	Ū
	Hexachlorocyclopentadiene	· · · · · · · · · · · · · · · · · · ·	25	Ū
	2,4,6-Trichlorophenol	<del></del>	10	บั
	2,4,5-Trichlorophenol		10	บ
92-52-4	Biphenvl		10	υ
	2-Chloronaphthalene		10	ט
	2-Nitroaniline		25	Ü
	Dimethyl phthalate	,	10	ט
208-96-8	Acenaphthylene	· · · · · · · · · · · · · · · · · · ·	10	U
606-20-2	2,6-Dinitrotoluene		10	ט
	3-Nitroaniline		25	ט

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#### ASP 2000 - METHOD 8270 SEMIVOLATILES AVALYSIS DATA SHEET

Lab Name: STL Buffalo	Contract:		MW-9B
Lab Code: RECNY Case No.:			
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40012
Sample wt/vol: 1000.0 (g/mL)	ML	Lab File ID:	W06821.RR
Level: (low/med) <u>LOW</u> .		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted: (Y	/n) <u>n</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (	uL)	Date Analyzed:	12/01/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0		• •	

CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	rs: <u>ug/</u> L	
51-28-5	Acenaphthene 2,4-Dinitrophenol 4-Nitrophenol		10 25 25	U U
132-64-9	Dibenzofuran		10	TT

51-28-52,4-Dinitrophenol_	25	U	-
100-02-74-Nitrophenol	25	Ū	
132-64-9Dibenzofuran	10	Ū	I
121-14-22,4-Dinitrotoluene	10	שׁו	١
84-66-2Diethyl phthalate	10	υ	۱
7005-72-34-Chlorophenyl phenyl ether	10	Ū	ı
86-73-7Fluorene	10	บ็	1
100-01-64-Nitroaniline	25	υ	1
534-52-14,6-Dinitro-2-methylphenol	25	ט	1
86-30-6N-nitrosodiphenvlamine	10	U	J
101-55-34-Bromophenyl phenyl ether	10	ט	Ì
118-74-1Hexachlorobenzene	10	מ	1
1912-24-9Atrazine	10	υ	ı
87-86-5Pentachlorophenol	25	טן	l
85-01-8Phenanthrene	10	Ü	1
120-12-7Anthracene	10	Ü	1
86-74-8Carbazole	10	ט	
84-74-2Di-n-butyl phthalate	10	บ	۱
206-44-0Fluoranthene	10	Ü	
129-00-0Pyrene	10	U	
85-68-7Butyl benzyl phthalate	10	מו	l
91-94-13,3'-Dichlorobenzidine	10	1-	١
56-55-3Benzo (a) anthracene		U	l
218-01-9Chrysene	10	Ū	
117-81-7Bis(2-ethylhexyl) phthalate	10	Ū	l
117-84-0Di-n-octyl phthalate	10	U	
205-99-2Benzo (b) fluoranthene	10	U	l
207-08-9Benzo (k) fluoranthene	10	U	ŀ
50-32-8Benzo (a) pyrene	10	ש	
193-39-5Indeno(1,2,3-cd)pyrene	10	U	
53-70-3Dibenzo(a, h) anthracene	10	ש	l
Directizo (a, 11) difuticación	10	U	

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Tab Name:	: STL Buffal	0 (	Contract:		MW-9B		····
		_					
Lab Code:	RECNY C	ase No.:	SAS No.:	SDG No.: _			
Matrix:	(soil/water)	WATER		Lab Sample	ID: <u>A5D400</u>	12	
Sample wt	:/vol:	1000.0 (g/mL) 1	<u>√L</u>	Lab File ID	): <u>W06821</u>	.RR	
Level:	(low/med)	LOW		Date Samp/R	ecv: <u>11/22/</u>	2005 11/23	/2005
% Moistur	æ:	decanted: (Y/I	и) <u>Й</u>	Date Extrac	ted: <u>11/28/</u>	2005	
Concentra	ated Extract	Volume: 1000 (u	L)	Date Analyz	red: <u>12/01/</u>	2005	
Injection	Volume:	2.00 (uL)		Dilution Fa	ctor: 1.	<u>00</u>	
GPC Clear	rup: (Y/N) ]	N pH: 7.0			•		
٠.	CAS NO.	COMPOUND		CONCENTRATION U (ug/L or ug/Kg		Q	
	191-24-2	Benzo (ghi) per	rylene		10	U	•

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: <u>STL Buffalo</u> Contr	ract:			MW-9B		· · · · · · · · · · · · · · · · · · ·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:			٠		
Matrix: (soil/water) <u>WATER</u>		Lab Samp.	le ID:	A5D4003	12		
Sample wt/vol: $\underline{1000.0}$ (g/mL) $\underline{ML}$		Iab File					
Level: (low/med) <u>LOW</u>		Date Sam					05
% Moisture: decanted: (Y/N) N	<u>1</u>	Date Exti				***	
Concentrated Extract Volume: 1000 (ul	(۱	Date Anal	yzed:	12/01/2	2005		
Injection Volume: 2.00 (uL)		Dilution	Factor:	1.0	00		
GPC Cleanup: (Y/N) N pH: 7.	<u>0</u>	•					
Number TICs found: 1	C	ONCENIRATI (ug/L or u	ON UNIT g/Kg)	s: <u>ug/</u> L			
CAS NO. Compo	ound Name	RT	Est.	Conc.	Q		

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### INORGANIC ANALYSIS DATA SHEET

sample	NO.	
MW-11A		

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567906

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9	Cadmium	0.39	U	<u> </u>	P
7440-47-3	Chromium	1.3	B		P
7439-92-1	Lead	1.8	ש	1	P
7782-49-2	Selenium	6.7	U	J	P
7440-66-6	Zinc	9.3	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
	\$				

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
MW-11B		 	

Can	trac	٠	
COIL	LLAC	L	

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567907

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	ע		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	ן טן		P
7440-66-6	Zinc	2.2	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
<u></u>			*		

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#### INORGANIC ANALYSIS DATA SHEET

SMITHE	1.0.	
MW-11C		

Con	tra	ct	:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567908

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Ď	м
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	1.1	В		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	שן		P
7440-66-6	Zinc	6.4	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	ИОИЕ
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
<u> </u>	1			•	

## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Contract:	CN04-015
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Lab Code: STLBFLO

Case No.:

SAS No.;

SDG NO.:

MW-12A

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567914

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7440-43-9	Cadmium	0.39	ט		l P
7440-47-3	Chromium	2.8	B		P
7439-92-1	Lead	1.8	ן טן	~	i P
7782-49-2	Selenium	6.7	TU T		P
7440-66-6	Zinc	12.3	IB I		l P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	NONE
Color After:	AETTOM	Clarity After:	CLOUDY	Artifacts:	
Comments:			THE RESERVE OF THE PERSON OF T		
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-	12B	

Contract:

CN04-015

Lab Code: STLBFLO

BFLO Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567915

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	0.39	В		P
7440-47-3	Chromium	1.5	B		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	ע		P
7440-66-6	Zinc	20.6			P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					La management and a second and a second and a second and a second and a second and a second and a second and a
			•		

#### -1-

### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
MW-2		•

Con	trac	t:
-----	------	----

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567916

03 P400

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	м
7440-43-9	Cadmium	0.70	В		P
7440-47-3	Chromium	0.81	B		P
7439-92-1	Lead	5.0	1 1		P
7782-49-2	Selenium	6.7	TU		P
7440-66-6	Zinc	9.5	B		l P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
_					

#### -1-

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4A		

Contract:

CN04-015

Lab Code: S

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567909

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	М
7440-43-9	Cadmium	0.39	ט		P
7440-47-3	Chromium	0.58	ע		₽
7439-92-1	Lead	1.8	ן טן		P
7782-49-2	Selenium	6.7	ן ט		P
7440-66-6	Zinc	1.6	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
<u> </u>			4		

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.
MW-4B	

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567913

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	<u>ט</u>		P
7440-47-3	Chromium	0.58	ע	~~.	P
7439-92-1	Lead	1.8	ן טן		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	7.7	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
	<u> </u>	+			

## -1-

#### INORGANIC ANALYSIS DATA SHEET

sample	NO.		٠
MW-6A	=		

Con	+-	20	
-		au	

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567946

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Ω	М
7440-43-9	Cadmium	0.52	В		P
7440-47-3	Chromium	1.9	B		P
7439-92-1	Lead	3.4	T		P
7782-49-2	Selenium	6.7	ט	-	l B
7440-66-6	Zinc	18.5	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
-					

#### -1-

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	140.		
		700000	
MW-6B			

Contract:	
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CN04-015

Lab Code: ST

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567947

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	ט		P
7439-92-1	Lead	1.8	ען		P
7782-49-2	Selenium	6.7	ט		P
7440-66-6	Zinc	1.2	ע ו		l P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					·
		1			

#### -1-

#### INORGANIC ANALYSIS DATA SHEET

Sample	NO.		
		 	···
MIT. On			

A05-D400

Contract:	CN04-015			th of
Lab Code:	STLBFLO	Case No.:	SAS No.:	SDG NO.

AD567917 Lab Sample ID:

WATER Matrix (soil/water): Date Received: 11/23/2005 Level (low/med): LOW

> Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	0.39	ט	<del></del> -	P
7440-47-3	Chromium	0.58	ן ט		P
7439-92-1	Lead	1.8	ן טן	<del> </del>	P
7782-49-2	Selenium	6.7	ן ט		P
7440-66-6	Zinc	2.3	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
		•			

### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
MW-8B			

Contract:	
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CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567918

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	м
7440-43-9	Cadmium	0.39	U	<del></del>	P
7440-47-3	Chromium	0.58	JU J		İΈ
7439-92-1	Lead	1.8	י טן		P
7782-49-2	Selenium	6.7	י ט		P
7440-66-6	Zinc	6,8	B		P

Color Before;	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
		<del>1</del>			

#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.				
MW-9A					

Contract:

CN04-015

Lab Code: STLBFLO Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567919

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	37.5	1		P
7440-47-3	Chromium	0.58	ן טן		P
7439-92-1	Lead	1.8	ן טן		P
7782-49-2	Selenium	6.7	ן טן		P
7440-66-6	Zinc	105			P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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### INORGANIC ANALYSIS DATA SHEET

Sample	NO.	
MW-9B		

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CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D400

Matrix (soil/water):

WATER

Lab Sample ID:

AD567942

105-0400

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	ט	·	P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	<b>ט</b>		P
7782-49-2	Selenium	6.7	ען		P
7440-66-6	Zinc	5,4	B		İР

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
	•				•

143/1432

Wet Chemistry Analysis

Lab Name: STL Buffalo	Contract	:				MW-11A	Moso-111-2-1		
Lab Code: RECNY Case No.:	SAS No.:								
Matrix (soil/water): WATER	Lab Sample ID: A5D40001								
% Solids: 0.0		Date San	np/	'Recv:	<u>11</u>	/21/2005 11	/23/2005		
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005		
Comments:							1		

144/1432

Client Sample No. MW-11B Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): WATER Lab Sample ID: A5D40002 % Solids: \_\_0.0 Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u> Units of Method Analyzed Parameter Name Measure Result C Q M Number Date Total Recoverable Phenolics MG/L 0.010 U 420.2 11/25/2005 Comments:

145/1432

Lab Name: STL Buffalo	Contract:				MW-11C				
Lab Code: RECNY Case No.:				<del></del>	SDG No.:				
Matrix (soil/water): WATER	SAS No.: SDG No.: Iab Sample ID: A5D40003_								
· · · · · · · · · · · · · · · · · · ·	•								
% Solids: 0.0	ds: 0.0 Date Samp/Recv: 11/21/2005 11/23/2005								
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total Recoverable Phenolics	MG/L	0.010	υ			420.2	11/25/2005		
Comments:					1 <u> </u>				

146/1432

Lab Name: STL Buffalo	Contract	;				MW-12A		
Matrix (soil/water): WATER	Lab Sample ID: A5D40006							
% Solids: <u>0.0</u>		Date Sar	np/	'Recv:	<u>11</u>	/21/2005 11	./23/2005	
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date	
Total Recoverable Phenolics	MG/L	0.010	Ū			420.2	11/25/2005	
Comments:		·						

147/1432

Wet Chemistry Analysis

						Ī	MW-12B			
Lab Name: <u>STL Buffalo</u>		Contract			_					
Lab Code: <u>RECNY</u>	Tase No.:	SAS No.:					EDG No.: _	Administration to American control former		
Matrix (soil/water): WATE	<u>ir</u>		Lab Samp	ole	ID:	<u>A51</u>	D40007			
% Solids: 0	.0		Date Sar	np/:	Recv:	<u>11</u>	/21/2005 11	/23/2005		
Parameter	c Name	Units of Measure	Result	С	Q	M	Method Number	Analyzed Date		
Total Recoverable Phenol	lics	MG/L	0.010	ט			420.2	11/25/2005		
Comments:										

## 148/1432

Lab Name: SIL Buffalo	Contract:							
Lab Code: RECNY Case No.:	SAS No.	:			:	SDG No.:		
Matrix (soil/water): WATER	Lab Sample ID: A5D40008							
% Solids: 0.0	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>							
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date	
Total Recoverable Phenolics	MG/L	0.010	ט			420.2	11/25/2005	
Comments:								

## 149/1432

Wet Chemistry Analysis

Clanton	. c.t				MW-4A				
COLLEG	icl:		_						
se No.: SAS N	SAS No.: SDG No.:								
	Lab Sample ID: A5D40004								
	Date Sar	mp/	'Recv:	11	/21/2005 <u>11</u>	L/23/2005			
		С	Q	М	Method Number	Analyzed Date			
csMG/L	0.010	U			420.2	11/25/2005			
						· · · · · · · · · · · · · · · · · · ·			
	SAS N  Units of Measure	SAS No.:  Lab Samp  Date Samp  Units of Measure Result  SS MG/L 0.010	SAS No.:  Lab Sample  Date Samp/  Units of Measure Result C  SSMG/L 0.010 U	Lab Sample ID:  Date Samp/Recv:  Units of Measure Result C Q  MG/L 0.010 U	Contract:  SAS No.:  Lab Sample ID: A5  Date Samp/Recv: 11  Units of Measure Result C Q M  SS MG/L 0.010 U	SAS No.: SDG No.:  Lab Sample ID: A5D40004  Date Samp/Recv: 11/21/2005 11  Whits of Measure Result C Q M Number  SS MG/L 0.010 U 420.2			

150/1432

Lab Name: STL Buffalo	Contract	J:				MW-4B	
Lab Code: RECNY Case No.:	SAS No.	. :				SDG No.; _	
Matrix (soil/water): WATER	Lab Sample ID: A5D40005						
% Solids: 0.0		Date Sar	ηp/	'Recv:	<u>11</u>	<u>/21/2005</u> <u>11</u>	/23/2005
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	ט			420.2	11/25/2005
Conments:							

## 151/1432

Wet Chemistry Analysis

Contract				1	MW-6A 			
CONTRACT	-							
SAS No.:								
Lab Sample ID: A5D40013								
Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>								
Units of Measure	Result	C	Q	М	Method Number	Analyzed Date		
MG/L	0.010	U			420.2	11/25/2005		
		L						
	SAS No. Units of Measure	SAS No.:  Lab Sam  Date Sam  Units of Measure Result	SAS No.:  Lab Sample  Date Samp/  Units of Result C	Lab Sample ID:  Date Samp/Recv:  Units of Result C Q	Contract:  SAS No.:  Lab Sample ID: A5  Date Samp/Recv: 11  Units of Measure Result C Q M	SAS No.: SDG No.:  Lab Sample ID: A5D40013  Date Samp/Recv: 11/22/2005 11  Units of Measure Result C Q M Method Number		

152/1432

Lab Name: STL Buffalo	Contract	::				MW-6B	· <u></u>		
Lab Code: RECNY Case No.:	<del></del>								
Matrix (soil/water): <u>WATER</u>	Lab Sample ID: A5D40014								
% Solids:0.0	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>								
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date		
Total Recoverable Phenolics	MG/L	0.010	บ	-		420.2	11/25/2005		
Comments:									

## 153/1432

Wet Chemistry Analysis

Lab Name: STL Buffalo	Contract	:		<del></del>	Ļ							
Lab Code: <u>RECNY</u>	Case No.:		SDG No.:									
Matrix (soil/water): WAT		Lab Sample ID: A5D40009										
% Solids:(	0.0		Date Sar	np/	'Recv:	11	<u>/22/2005</u> <u>11</u>	_/23/2005				
Paramete	er Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date				
Total Recoverable Pheno	olics	MG/L	0.010	บ		420.2 11/25/20						
Comments:												

154/1432

Iab Name: STL Buffalo	Contract			MW-8B									
Lab Code: <u>RECNY</u>	Case No.:		SDG No.:										
Matrix (soil/water):		Lab Sample ID: A5D40010											
% Solids:	0.0		Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>										
Paran	Units of Measure	Result	C	C Q		Method Number	Analyzed Date						
Total Recoverable Pr	enolics	MG/L	0.010	ט			420.2	11/25/2005					
Comments:													

Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: SAS No.: SDG No.:

	Client Sample ID	Leb Sample ID	BFB %REC #	DCE %REC #	TOL %REC #						TOT
4	MSB19	**********	======	======	======	~======	======	=====	-=====	======	===
2		A5B1856401	95	.99	100						0
3	MSB20	A5B1863701	96	101	98						0
,	MW-11A	A5040001	99	103	99					·	0
4	MW-11B	A5040002	96	102	98						0
)	MW-11C	A5D40003	97	101	- 98						0
6	MW-12A	A5040006	97	104	101						0
(	MW-12B	A5D40007	96	102	9.9						0
8	MW-2	A5040008	98	102	100						0
9	MW-4A	A5D40004	96	103	98						0
10	MW-4A	A5D40004MS	99	102	101						0
11	MW-4A	A5D40004SD	97	101	99		4.				0
12	MW-48	A5D40005	94	104	99	1					0
13	MW-6A	A5D40013	97	102	99						0
14	MM-68	A5D40014	93	102	100						0
15	MW-8A	A5D40009	93	104	99	i					0
16	MW-8B	A5D40010	94	103	99		ĺ				0
17	MW-9A	A5040011	93	105	100						0
	MW-9B	A5D40012	94	101	101						0
19	MW-98	A5D40012MS	95	100	100	ļ					0
	MW-9B.	A5D40012SD	95	102	100					,	0
21	TRIP BLANK	A5D40015	94	102	100				ļ		0
22	VBLK19	A581856402	94	100	100			.	. 1		0
23	VBLK20	A5B1863702	96	102	98		1		İ		0
24	VHB	A5D40016	94	103	100						0

QC LIMITS

BFB DCE = p-Bromofluorobenzene = 1,2-Dichloroethane-D4 ( 86-115) ( 76-114) ( 88-110) TOL = Toluene-D8

<sup>#</sup> Column to be used to flag recovery values\* Values outside of contract required QC limitsD Surrogates diluted out

Chain Of Custody Documentation

## Chain of Custody Record



Severn Trent Laboratories, Inc.

Client		Project Manag	er	····			·				Da	ato.			Chain	d Custodu	Mumbas		
DECTA ENVIRONMENT	MARK SCHUMACHUM											22	-05	- Chair	of Gustody 214	179	9		
	Telephone Number (Area Code)/Fax Number 3/5-445-0324 / 3/5-445-0793										I sh Number								
104 JANUSUILLE		45-000				145	0	79						Page		_ of	3		
City State Zip	Code 3214	Site Contact	1	Lab Contact 3118W FISCHEN							alysis (Attach list if e space is needed)							-	
	5 Am		13-11	13×1	<i>\$1.</i>	5046-				<del>ارد عاد</del>	100 13	1	T						
Contract/Purchase Order/Ouoté No.	r NY	Carrier/VVayou	Number					26	270	65	25 (					Special	Instru	ctions/	
Contract/Purchase Order/Ouoté No. 0310025P		Matrix			Containers & Preservatives			78 7	8266		47.465					Conditions of			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time 국	Sed.	Unpres.	HZSO4 HWO3	ΨÇ	NaOH ZnAc/ NaOH	72	706	H O	3								
Mw-11A	11-21-05 1	030 X		X	XX	1		χ	X	$\chi$	X								-
MW-11B	1 1/	30 X			иL	N		$\lambda$	x	<b>V</b>	x x								_
MW-11C	10.	30 X	<del></del>	X	χx	V		X	<del>  ^                                   </del>	40 T	$\mathbf{x}$							<del></del>	-
MW- YA	13	250 )		X	XX	X		X		<i>(</i> 0 <i>x</i>	(							<del></del>	_
MW-4B	/:	330 X		8	ХХ	X		X	; ; [	)))									
MW-4A-M5	12	50 )		<b>x</b>	Χχ	X		γ	x	XX									_
MW-4A-M5D	12	50 X		λ;	ΧX	χ			X							-			-
MW-12A	14	150 Y		X	χχ	x		X	x y	<b>x</b> >									_
MW-12B	. 16	19 X		$\chi$	<b>γ</b>	$ \mathbf{x} $		χ	X	γ\									_
-mw-2	10	(59)		χ	cХ	χ		χ	$\chi$	χ.	<u> </u>						·		
MW-8A	11-22-05 8	50 7		X	χX	χ		Х	x	χŹ	k								_
mn-83	4 1	000 X		$\chi$	$\chi   \chi$	Х		X	X	Y 1									_
Possible Hazard Identification  Non-Hazard Flammable Skin Irritant	Poison B	•	nple Disposal	. \	*			ا					(A fee i	nay be as:	essed if s	amples ar	e retaine	<del>-</del>	
Turn Around Time Required	LI POISON B LACE	Unknown 🔲	Hetam To Cilen	ור בא <i>ו</i>	C Re	quireme	nts (Spec	ify)	IIVO FO			พอกเกร	ronger i	than 1 moi	itii)				
24 Hours	iys 🕱 21 Days	Other			A	SP	20	00		رس	OT	B							
1. Relinquished By	······································	Date	Time	1		eived By		, /	1		<u> </u>				Date		Time		- 22
2. Relinquisped By		11-22-0			<u> </u>	14	and	14	a	·					///-	22/05	13:	53	/mid 
2. Relinquisped By		Date 11/22/03	1800	2	?. Rece	gived By	- Elva	4				7	1		Date	230s	Time	100	217/143
3. Relinquished By		Date	Time	3	3. Rece	eived By	<u>-47240,</u>	U	*********		1	27			Date		Time	· · · · · ·	-53 22
Comments		<u></u>									<del>// / ^</del>			· · · · · · · · · · · · · · · · · · ·			—	····	_
DISTRIBUTION: WHITE - Returned to Client with Report;	CHROMIUN	n, LOAD	,502041	14.	, 2	2 10	c )						//						
DISTRIBUTION: WHITE - Returned to Client with Report;	CANARY - Stays with	the Sample; Pli	NK - Field Copy	,	/		,		•										

## Chain of Custody Record



Severn Trent Laboratories, Inc.

STL-4124 (0901)															JUI C		,		•				
OBLTA Eavingnmon	TAC		Managei M.A.	0 L		5 (	C <i>J</i> -	10	m	101	10	_			Date		22.	-04		Chair	of Custon	V Numbe 418	,, ,,
194 JAMESVILLE OF State Zip Project Name and Location (State)	Z N	Telepho 3/3 Site Co.	one Numb	er (Area	a Code	)/Fax	Numbi 3	er 15	4	45	-0	79	73	<del></del>	Lab	Numb	er		<u></u>	Con	<u>, 2</u>		
370 ACUSU State Zip	13214					Lab C	ontaci	t /	2/5	CHO	1			Ana mor	l alysis e spac	(Attac	ch list neede	if ed)		Page	· · · · · · · · · · · · · · · · · · ·	Of	
Project Name and Location (State)  CODEN SYNACO  Contract/Purchase Order/Quote No.	50 ag	Carrier/	Waybili N	umber	<del></del> !	···			············				Š	3									
03/0025P			Λ	fatrix				ntaini serva			6	8	700	57815							Speci Condit	al Instru ions of	uctions/ Receipt
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Sed.		Unpres.	. 1	HCI			12	766 827	He	15									
MW-9A	11-22-05 1	125	X			X)			2	NZ	X	T''''	K	* X					+-	_	·····		
8 5 MW-9B-M5		40	X			$\mathbf{x}   \mathbf{x}$	CX				Х	x	-	X									
MW-9B-M5D		40	ト ス			XX	4	X		-	X	X	_	<u>x</u>	-		_	-				·····	
MW-6A		2/5	×		<del>   </del>	<u>N</u> χ	44.	1-2-1			T	x X	<del></del>	X X			_			-	<del>*************************************</del>		······
MW-6B	//3	100	K				X	X			X		x									·····	
TRIP BLANK			X	_		XX	X	X	_		0	X	K	K									
			1			+	+		$\dashv$		+		+			-		-		$\lambda$	···	· · · · · · · · · · · · · · · · · · ·	<del></del>
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		-	_	_		+	1						$\dashv$	1				_			7		
Possible Hazard Identification  Non-Hazard  Flammable  Skin Irritant [	Poison B 🕱 t		Sample			<u> </u>				!					7	<u></u>	(A fee	may b	e asses	ssed if :	samples a	e retaine	
urn Around Time Required  24 Hours  48 Hours 7 Days 14 Day		Jnknown		um 10 C	Zlient	100	Dispo. Requ	isal By uiremi	ents (	Specify	1)					ths	longer	than 1	month)	)			
. Helinquishea By	/s A 21 Days	Date		Lime		- 1	Receiv		7		1	1			B	<i>'</i>		5	····	Date		Time	
Relinquist of By  Naus Olen		//-2=	2-01 -/-	Time 187	מנ	2.	Recei	Ved B	Am.	ed i	11	٠.				<del></del>	7			Date	22/00	/3 ( Time,	
. Relinquished By		Date Date	<i>40</i> 5	Time		3. 1	Receiv	ved B	<u>Y</u>	1	1				> /					Date	230	S /	100
Comments 6 M KT A L S	<del></del>			····	<del></del>	l.,,			<del></del>		· · · · · · · · · · · · · · · · · · ·	····	_1		/ 0	1	$\overline{\Sigma}$	)			<del></del>	1	
K M V T A C 5 (C M 10 1) ISTRIBUTION: WHITE - Returned to Client with Report: C.	ANARY ELTIPORTE	mlur	7/1	41	ئے۔	500	4	-10		_, 2	211	1	"			كركسه	/						

STL Buffalo Sample Inventory Page: 1 Rept: AN0383

Job No: A05-D400
Client: Delta Environmental Consultants, Inc.
Project: NY4A9341
SDG:
Case:
SMO No:
No. Samps: 14

Radiation Check: YES
Cooler Temperature: 1102.0°C
Custody Seal: YES
Chain of Custody: YES
Sample Tags: NO
Sample Tag Numbers: NO
SMO Forms: NO
CLSIS: NO

*	<del>, , </del>	,	<del></del>		·				
					ı		- 1	Pres	s log
Sample	Receive	Client Sample ID	Lab ID	Condition	Bottles	Parameters	Lab	Code	PH
1/21/2005 10:30	11/23/2005 11:00	MW-11A	A5D40001	Good	2-40mlV	ASP00	RECNY	0103	<2
	' '				2-11GA	ASP00	RECNY	0100	ļ
		İ	}		1~8ozGA	TPHENOLS	RECNY	0102	<2
		Ļ			1-16ozP	5 METALS	RECNY	1000	<2
1/21/2005 11:30	11/23/2005 11:00	MW-11B	A5D40002	Good	2-40mlV	ASP00	RECNY	0103	<2
	,,	1	14	1 + 4	2-11GA	ASP00	RECNY	0100	1
	1				1-8ozGA	TPHENOLS	RECNY	0102	<2
					1-16ozP	5 METALS	RECNY	0001	<2
1/21/2005 10:30	11/23/2005 11:00	MW-11C	A5D40003	Good	2-40mlV	ASP00	RECNY	0103	<2
					2-1LGA	ASP00	RECNY	0100	
					1-8ozGA	TPHENOLS	RECNY	0102	<2
					1-16ozP	5 METALS	RECNY	0001	<2
1/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004	Good	2-40mlV	ASP00	RECNY	0103	<2
	, ==,				2-1-LGA	ASP00	RECNY	0100	
					1-8ozGA	TPHENOLS	RECNY	0102	<2
		İ	ļ		1-16ozP	5 METALS	RECNY	0001	<2
1/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004MS	Good	2-40mlV	ASP00	RECNY	0103	
• •	', ', '				2-1LGA	ASP00	RECNY	0100	
	į.	-	}		1-8ozGA	TPHENOLS	RECNY	0102	<2
		1	1		1-16ozP	5 METALS	RECNY	0001	
1/21/2005 12:50	11/23/2005 11:00	MW-4A	A5D40004SD	Good	2-40mlV	ASP00	RECNY	0103	
.,,					2-1LGA	ASP00	RECNY	0100	
					1-8ozGA	TPHENOLS	RECNY	0102	<2
					1-160zP	5 METALS	RECNY	0001	<2
1/21/2005 13:30	11/23/2005 11:00	MW-4B	A5D40005	Good	2-40mlV	ASP00	RECNY	0103	<2
					2-11GA	ASP00	RECNY	0100	
	}	1	1		1-8ozGA	TPHENOLS	RECNY	0102	<2
			1		1-16ozP	5 METALS	RECNY	0001	
1/21/2005 14:50	11/23/2005 11:00	MW-12A	A5D40006	Good	2-40mlV	ASP00	RECNY	0103	<2
	,,				2-11GA	ASP00	RECNY	0100	
		*	-		1-8ozGA	TPHENOLS	RECNY	0102	<2
		1			1-160zP	5 METALS	RECNY	0001	
1/21/2005 16:10	11/23/2005 11:00	MW-12B	A5D40007	Good	2-40mlV	ASP00	RECNY	0103	<2
		1		1	2-11GA	ASP00	RECNY	0100	
	1				1-8czGA	TPHENOLS	RECNY	0102	<2
			[		1-16ozP	5 METALS	RECNY	0001	
1/21/2005 16-50	11/23/2005 11:00	MM-5	A5D40008	Good	2-40mlv	ASP00	RECNY	0103	
.,, ,	, 25, 2555	···· -			2-11GA	ASP00	RECNY	0100	
		1	1	1	1-8ozGA	TPHENOLS	RECNY	0102	
					1-16ozP	5 METALS	RECNY	0001	
		1	1	1	002		1.0011	1-20,	"

#### Preservation Code References:



STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: <u>A05-D401</u>

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

Brian J. Fischer Project Manager

12/14/2005

### STL Buffalo Current Certifications

### As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas.	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
lowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA; CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Nashington	CWA,RCRA	C254
Nest Virginia	CWA,RCRA	252
<i>Wisconsin</i>	CWA	998310390

Sample Data Summary Package

#### SAMPLE SUMMARY

				SAMPI	ED	RECEIVI	<b>3</b> D
LAB SAMPLE ID	CLIENT S	SAMPLE ID	MATRIX	DATE	TIME	DATE	TIME
A5D40111	MW-1		WATER	11/22/2005	11:30	11/23/2005	11:00
A5D40109	MW-10		WATER	11/22/2005	10:00	11/23/2005	11:00
A5D40107	MW-13		WATER	11/22/2005	08:40	11/23/2005	11:00
A5D40108	MW-13C		WATER	11/22/2005	08:40	11/23/2005	11:00
A5D40106	MW-14		WATER	11/21/2005	16:15	11/23/2005	11:00
A5D40101	MW-1S		WATER			11/23/2005	
A5D40102	MW-2S		WATER			11/23/2005	
A5D40104	MW-3		WATER	11/21/2005	13:50	11/23/2005	11:00
A5D40103	MW-3S		WATER			11/23/2005	
A5D40110	MW-5		WATER	11/22/2005	12:30	11/23/2005	11:00
. A5D40105	MW-7		WATER	11/21/2005	16:30	11/23/2005	11:00
A5D40112	TRIP BLANK	K	WATER	11/22/2005		11/23/2005	

#### METHODS SUMMARY

Job#: <u>A05-D401</u>

STL Project#: NY4A9341
Site Name: Delta Environmental Consultants, Inc.

PARAMETER		ALYTICAL METHOD
DELTA - AQ - ASP 2000/8260 - TCL VOLATILES	ASP00	8260
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00	8270
Cadmium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Lead - Total	ASP00	6010
Selenium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Total Recoverable Phenolics	ASP00	420.2

"Analytical Services Protocol", New York State Department of Conservation, June 2000. ASP00

#### NON-CONFORMANCE SUMMARY

Job#: A05-D401

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

#### Sample Receipt Comments

#### A05-D401

Sample Cooler(s) were received at the following temperature(s); 11@2.0 °C All samples were received in good condition.

#### GC/MS Volatile Data

All samples were preserved to a pH less than 2.

#### GC/MS Semivolatile Data

The spike recoveries for Pentachlorophenol were above the method defined quality control limits in the Matrix Spike Blank A5B1832801 and Matrix Spike MW-3. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The relative percent difference between the Matrix Spike MW-3 and the Matrix Spike Duplicate MW-3 exceeded quality control criteria for Pentachlorophenol.

#### Metals Data

No deviations from protocol were encountered during the analytical procedures.

#### Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer Project Manager

12-14-05

Date

Date: 12/14/2005 Time: 13:53:34

Dilution Log w/Code Information For Job A05-0401 8/1061

Rept: AN1266R

Client Sample ID Lab Sample ID Parameter (Inorganic)/Method (Organic) Dilution Code
HW-3 A5D40104 8260 4.00 003

Dilution Code Definition:

002 - sample matrix effects

003 - excessive foaming

004 - high levels of non-target compounds

005 - sample matrix resulted in method non-compliance for an Internal Standard

006 - sample matrix resulted in method non-compliance for Surrogate

007 - nature of the TCLP matrix

008 - high concentration of target analyte(s)

009 - sample turbidity

010 - sample color

011 - insufficient volume for lower dilution

012 - sample viscosity

013 - other

# SAMPLE IDENTIFICATION AND ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS							
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY	
MW-1	A5D40111	_ASP00	ASP00	<u>-</u>	-	ASP00	<del>-</del>	ASP00	
MW-10	A5D40109	ASP00	ASP00	-	-	ASP00	-	ASP00	
MW-13	A5D40107	ASP00	AŜP00	<u>-</u>	-	ASP00	<u>-</u>	ASP00	
MW-13C	A5D40108	ASP00	ASP00	-	- •	ASP00	-	ASP00	
MW-14	A5D40106	ASP00	ASP00	-	-	ASP00	-	ASP00	
MW-1S	A5D40101	ASP00	ASP00	•	-	ASP00		ASP00	
MW-2S	A5D40102	ASP00	ASP00	1	-	ASP00	<del>-</del>	ASP00	
MW-3	A5D40104	ASP00	ASP00	-	***************************************	ASP00		ASP00	
MW-3S	A5D40103	ASP00	ASP00	•	-	ASP00	<u>.</u>	ASP00	
MW-5	A5D40110	ASP00	ASP00	-		ASP00		ASP00	
MW-7	A5D40105	ASP00	ASP00	-	-	ASP00	-	ASP00	

## SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AD NAME. SEVERN TRE	NI LADUKAT	OKIES, HYC.			
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-1	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-10	WATER	11/22/2005	11/23/2005	<u>.</u>	11/28/2005
MW-13	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-13C	WATER	11/22/2005	11/23/2005	-	11/28/2005
MW-14	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-1S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-2S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-3	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-3S	WATER	11/21/2005	11/23/2005	-	11/28/2005
MW-5	WATER	11/22/2005	11/23/2005	*	11/28/2005
MW-7	WATER	11/21/2005	11/23/2005	1	11/28/2005

## SAMPLE PREPARATION AND ANALYSIS SUMMARY B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

AB NAME: SEVERN TRE	YI LABUKA I	ORIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
MW-1	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-10	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-13	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-13C	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-14	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-1S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-2S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-3	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-3S	WATER	11/21/2005	11/23/2005	11/28/2005	12/06/2005
MW-5	WATER	11/22/2005	11/23/2005	11/28/2005	12/06/2005
MW-7	WATER	11/21/2005	11/23/2005	11/28/2005 .	12/06/2005

## SAMPLE PREPARATION AND ANALYTICAL SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
MW-1	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-10.	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-13	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-13C	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-14	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-1S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-2S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-3	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-3S	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-5	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005
MW-7	WATER	5 metals	11/23/2005	11/28/2005	11/29/2005

## SAMPLE PREPARATION AND ANALYSIS SUMMARY ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

<u> AB NAME: SEVERN TREF</u>	VI LADUKAT	ORIES, INC.			
SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
MW-1	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-10	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-13	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-13C	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-1S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-2S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-3	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-3S	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-5	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-7	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

## SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LAB NAME, SEVERN TRE	NI TVDOVVI	OKIES, INC.			
LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
MW-1	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-10	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-13	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-13C	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-14	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-1S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-2S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-3	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-3S	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-5	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
MW-7	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED



#### DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

#### ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the Instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aidol-condensation product.
- indicates coelution.
- \* Indicates analysis is not within the quality control limits.

#### INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

### 16/1061

lab Name: <u>STL Buffalc</u>	Contract:		MW-1		
· · · · · · · · · · · · · · · · · · ·					
nan core: <u>kecivi</u> Ca	se No.: SAS No.:	SLG No.:	-		· · ·
Matrix: (soil/water)	WAIER	Lab Sample ID:	A5D40111	<u> </u>	
Sample wt/vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	Q9041.RF	2	
Level: (low/med)	<u>IOW</u>	Date Samp/Recv:	11/22/20	005 11/2	3/2005
% Moisture: not dec.	Heated Purge: N	Date Analyzed:	11/28/20	005	
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor	: 1.00	<u>)</u>	
Soil Extract Volume:	(uL)	Soil Aliquot Vol	lume:	(ul	그)
		CONCENTRATION UNITS			
CAS NO.		(ug/L or ug/Kg)		Q	
	Chloromethane		10	U	
	Bromomethane		10	U	
75-01-4	Vinyl chloride		10.	ן טן	
	Chloroethane		180		• •
	Methylene chloride		10	ַ ט	
67-64-1	Acetone		10	ע ו	
75-15-0	Carbon Disulfide		10	י ט	
	1,1-Dichloroethene		10	ט ו	** .
75-34-3	1,1-Dichloroethane		10	ו טו	• .
67-66-3			10	U	
	-1,2-Dichloroethane		10	U	
78-93-3			10	ט	* * * *
71-55-6	1,1,1-Trichloroethane		10	U	. :
56-23-5	Carbon Tetrachloride		10	U	
	Bromodichloromethane		10	U	
	-1,2-Dichloropropane		10	U	
10061-01-5	-cis-1,3-Dichloropropene		10	U .	
79-01-6	-Trichloroethene		10	U	
	-Dibromochloromethane		10	U	
79~00-5	-1,1,2-Trichloroethane		10	บั	
71-43-2	-Benzene		4	J	
	-trans-1,3-Dichloropropene		10	U	
75-25-2	-Bromoform		10	υ	. 7
	-4-Methyl-2-pentanone		10	U	eg er er er
591-78-6			10	U	1,00
	-Tetrachloroethene		10	U	
108-88-3			10	U I	
	-1,1,2,2-Tetrachloroethane		.10	U	i the
108-90-7	-Chlorobenzene		27	O-71-7-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	orbor sovers
	-Ethylbenzene		10	υ	
100-42-5			10	U	
	-Scylene -Total Xylenes			U	
	-10cal Ayrenes -Dichlorodifluoromethane	· · · · · · · · · · · · · · · · · · ·	10	U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	-Dicinorconfluoromethane -Trichlorofluoromethane		10		
/5-05-4	TTTCTTOTOTTHOTOURCHRUE		10	Ū	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 17/1061

Lab Name: <u>SIL Buffalo</u>	Contract:		MW-1	
Lab Code: RECNY Case No.:			<del></del> -	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40111	٠
Sample wt/vol: $\underline{5.00}$ (g/mL) : Level: (low/med) $\underline{10W}$	<u>ML</u>	Lab File ID:	<u>Q9041.RR</u> : <u>11/22/2005</u> <u>11/23/200</u>	:. \E
% Moisture: not dec Heated	Purge: <u>N</u>	Date Analyzed:		2
GC Column: <u>DB-624</u> ID: <u>0.25</u> (m	m)	Dilution Factor	r: <u>1.00</u>	
Soil Extract Volume: (uL)		Soil Aliquot Vo	olume: (uL)	1
CAS NO. COMPOUND		CONCENTRATION UNITS (ug/L or ug/Kg)		
76-13-11,1,2-Trichle 156-60-5trans-1,2-Dic 1634-04-4Methyl-t-Buty 156-59-2Cyclohexane 108-87-2Methylcyclohe 106-93-41,2-Dibromoet 98-82-8Isopropylben 541-73-11,3-Dichlorok 106-46-71,4-Dichlorok 95-50-11,2-Dichlorok 96-12-81,2-Dibromo-3 120-82-11,2,4-Trichle 79-20-9Methyl acetat	chloroethene yl Ether (MIBE) loroethene exane chane zene benzene benzene benzene 3-chloropropane brobenzene		10 U U U U U U U U U U U U U U U U U U U	

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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### 18/1061

ment of the second of the seco			
Lab Name: SIL Buffalo	Contract:		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID: A5D	40111
Sample wt/vol: $\underline{5.00}$ (g/m	L) <u>ML</u>	Lab File ID: <u>Q90</u>	41.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv: 11/	22/2005 11/23/2005
% Moisture: not dec	•,	Date Analyzed: <u>11/</u>	28/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Volume:	(uL)
Number TICs found: 3		CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG</u>	<u>/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q	
1. 420-56-4 2. 3.	FLUOROTRIMETHYL SILANE UNKNOWN ALCOHOL UNKNOWN	2.07 3.70 12.42	6 22 8	JN J J	

#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 19/1061

				MW-10		
Lab Name	:: <u>STL</u> Buffal	O Contract:			· · · · · · · · · · · · · · · · · · ·	<u> </u>
Lab Code	RECNY C	ase No.: SAS No.:	SDG No.:			t.
Matrix:	(soil/water)	WATER	Lab Sample ID:	A5D40109	9	•
Sample w	t/vol:		Lab File ID:	Q9039.RI	₹	·
Level:	(low/med)	LOW	Date Samp/Recv:	11/22/20	005 11/	23/2005
% Moistu	re: not dec.	Heated Purge: N	Date Analyzed:	11/28/20	005	
GC Colum	n: <u>DB-624</u>		Dilution Factor:	1.00	2	÷
Soil Ext	ract Volume:	(uL)	Soil Aliquot Volu	me:	(	uL)
		α	ONCENIRATION UNITS:	· -		
	CAS NO.		(ug/L or ug/Kg) <u>[</u>		Q	• •
	74-87-3	Chloromethane		10	ט .	
	74-83-9	Bromomethane		10	U	
	75-01-4	Bromomethane Vinyl chloride		10	U	
	75-00-3	Chloroethane		10	U	
			The state of the s	10	บ	•
	67-64-1	Acetone		10	U	
		Carbon Disulfide		10	U	
		1,1-Dichloroethene	<del>"</del>	10	U	
	75-34-3	1,1-Dichloroethane		10	U .	
	67-66-3	Chloroform		10	U	
	107-06-2	1,2-Dichloroethane			บ	
. 1	78-93-3	2-Butanone		10	U	
		1,1,1-Trichloroethane		10 10		
	56-23-5	Carbon Tetrachloride		10	U	
	75-27-4	Bromodichloromethane		10	ប	
	78-87-5	1,2-Dichloropropane		10	U	
	10061-01-5	cis-1,3-Dichloropropene		10	U	
	79-01-6	Trichloroethene		10	U	
	124-48-1	Dibromochloromethane		10	U	
		1,1,2-Trichloroethane	·	10	U	
	71-43-2	Porgono		10	U	
		beizene trans-1,3-Dichloropropene		10	ប	
];	75-25-2	crais-1,3-Dicinoropropene		10	υ	
		Braiblorii 4-Methyl-2-pentanone		10	U	
	591-78-6	+-Merrian-z-beurguoue		10	U	
	JJI-70-0 197.10 4	z-nexanone Tetrachloroethene		10	U	y 1 1 1 1 1 1
:	127-18-4 108-88-3	Terracutoroethene		10	Ū	
				LO	U	
	/JTJ4TJ	-1,1,2,2-Tetrachloroethane		LO	U	<del>ber da</del> era
[-	LUD-3U-/ LOO 41 4	Chlorobenzene		LO	U.	
		Ethylbenzene		LO	U	
1 4	L00-42-5	styrene	<del></del>	LO	U	
[3	L33U-20-7	-Total Xylenes		LO	U	
12	/5-/1 <b>-</b> 8	Dichlorodifluoromethane		LO :	ט	
7	/5-6 <del>У-4</del>	-Trichlorofluoromethane		LO	Ū	
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#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

## 20/1061

T 1 37	~		MW-10
Lab Name: STL Buffalo	Contract:		
Lab Code: <u>RECNY</u> Ca	ase No.: SAS No.:	_ SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40109
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	lab File ID:	Q9039.RR
Level: (low/med)	TOM	Date Samp/Recv.	11/22/2005 11/23/2005
% Moisture: not dec.	Heated Purge: N	Date Analyzed:	11/28/2005
GC Column: <u>DB-624</u>	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(uL)	Soil Aliquot Volu	me: (uL)
CAS NO.		CONCENTRATION UNITS: (ug/L or ug/Kg) <u>U</u>	<u>G/L</u> Q
156-60-5 1634-04-4 156-59-2 110-82-7	1,1,2-Trichloro-1,2,2-trifluc-trans-1,2-DichloroetheneMethyl-t-Butyl Ether (MIBE)cis-1,2-DichloroetheneCyclohexaneMethylcyclohexane_		10 U 10 U 10 U
106-93-4   98-82-8   541-73-1	1,2-DibromoethaneIsopropylbenzene1,3-Dichlorobenzene		10 U U U U U U U U U U U U U U U U U U U
95-50-1 96-12-8	1,4-Dichlorobenzene1,2-Dichlorobenzene1,2-Dibromo-3-chloropropane1,2,4-Trichlorobenzene		10 U 10 U 10 U 10 U
	Methyl acetate		10 U

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 21/1061

Lab Name: STL Buffalo Contract:	MW-10
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40109
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>Q9039.RR</u>
Level: (low/med) LOW	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: not dec.	Date Analyzed: <u>11/28/2005</u>
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: 1	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
CAS NO. Compound Name	RT Est. Conc. Q
1. UNKNOWN ALCOHOL	3.70 8 J

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Client No.

	MW-13
Lab Name: SIL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.: SDG No.:	
Matrix: (soil/water) WATER Lab Sampl	e ID: <u>A5D40107</u>
Sample wt/vol: 5.00 (g/mL) ML Lab File	ID: <u>0</u> 9037.RR
Level: (low/med) LOW Date Samp	/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N Date Anal	yzed: <u>11/28/2005</u>
GC Column: DB-624 ID: 0.25 (mm) Dilution	Factor: 1.00
Soil Extract Volume: (uL) Soil Aliq	uot Volume: (uL)
CONCENTRATION  CAS NO. COMPOUND (ug/L or ug/l	Kg) <u>UG/L</u> Q
74-87-3	10 U U 10 10 U 10 U 10 U 10 U 10 U 10 U
10061-02-6trans-1,3-Dichloropropene 75-25-2Bromoform 108-10-14-Methyl-2-pentanone 591-78-62-Hexanone 127-18-4Tetrachloroethene	10 U U U U U U U U U U U U U U U U U U U
108-88-3Toluene 79-34-51,1,2,2-Tetrachloroethane 108-90-7Chlorobenzene	10 U U U U U U U U U U U U U U U U U U U

100-41-4-----Ethylbenzene 100-42-5-----Styrene 1330-20-7----Total Xylenes

75-71-8-----Dichlorodifluoromethane

75-69-4----Trichlorofluoromethane

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### 23/1061

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Inh Nome. CTT Diffele		MW-13
Lab Name: STL Buffalo Contract:	<del></del> :	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40107
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	09037.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/28/2005
CC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: _	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volum	me: (wL)
	CENTRATION UNITS: g/L or ug/Kg) <u>U</u>	<u>9/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluoroet 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene		U U U U U U U U U U U U U U U U U U U
110-82-7Cyclohexane 108-87-2Methylcyclohexane	1	.0 U U
106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene		.0 U
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene	1	
95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane		0 U
120-82-11,2,4-Trichlorobenzene	1	0 0

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 24/1061

Lab Name: STL Buffalo Contract:	MW-13
Lab Name: STL Buffalo Contract:	
Lab Code: REXINY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: A5D40107
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>09037.RR</u>
Level: (low/med) <u>IOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/200</u>
% Moisture: not dec.	Date Analyzed: <u>11/28/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: 1	CONCENIRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
CAS NO. Compound Name	RT Est. Conc. Q
וויסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער אייסטער	1 26 6 7

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

T a.b. \\T	פחוד ואיניביי	Clauders		MW-13C		
Tan Malis:	STL Buffalo	o Contract:		<u> </u>	2.5	
Lab Code:	<u>RECNY</u> Ca	ase No.: SAS No.:	SDG No.:	·		•
Matrix: (	soil/water)	WATER	Lab Sample ID:	A5D40108		
Sample wt	/vol:		Lab File ID:	09038.RR	· · · · · · · · · · · · · · · · · · ·	
Level:	(low/med)	LOW	Date Samp/Recv:	11/22/20	05 11/2	3/2005
% Moistur	e: not dec.	Heated Purge: N	Date Analyzed:	11/28/20	<u>05</u>	
GC Column	: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00		
Soil Extr	act Volume:	(uL)	Soil Aliquot Vol	ume:	(uI	[1]
•			CYNICICATUNATUCAL LIATURG			
	CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q	
	74-87-3	Chloromethane		10	U :	
		Bromomethane	· · · · · · · · · · · · · · · · · · ·	10	U	
		Vinyl chloride		10	ט   די	$v = v^{\frac{1}{2}} \cdot v$
		Chloroethane		10	บ	
	· ·	Methylene chloride		10	υ	
	73 05 <u>2</u> 67-64-1			10	บั	
		Carbon Disulfide		10	ט	
		1,1-Dichloroethene	······································	10	U U	
	75-33-4	1,1-Dichloroethane		10	ט	
		Chloroform			1 1	
		1,2-Dichloroethane		10	U	
		1,2-bicinoroechane		10	U	
				10.	Ŭ	
		1,1,1-Trichloroethane		10	U	
		Carbon Tetrachloride		10	U	
		Bromodichloromethane		10	U	
		1,2-Dichloropropane		10	n	
		cis-1,3-Dichloropropene		10	U	
		Trichloroethene		10	U	
		Dibromochloromethane		10	U	
		1,1,2-Trichlorcethane		10	U	
	71-43-2			2	J	
		trans-1,3-Dichloropropene		10	U	
		Bromoform		10	U	Yan ik
		4-Methyl-2-pentanone		10	ע	
		2-Hexanone		10	ע	
		Tetrachloroethene		10	U	
	08-88-3			10	U	
<del> -7</del>	79-34-5	1,1 <del>,</del> 2,2-Tetrachloroethane	<del>- proprieta de la composição de la comp</del>	10	U	vi i sangaga
		Chlorobenzene		10	ע	
		Ethylbenzene		10	U	
	.00-42-5			10	U	
		Total Xylenes		10	U	
		Dichlorodifluoromethane		10	U.	
7	5-69-4	Trichlorofluoromethane		10	U	

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

### 26/1061

Lab Name: STL Buffalo Contract:		MW-13C
Lab Code: RECNY Case No.: SAS No.:		
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40108
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID:	<u>Q9038.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/28/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) !	
106-93-41,2-Dibromethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	e	10 U U 10 U 10 U 10 U 10 U 10 U 10 U 10
79-20-9Methyl acetate		10 U

#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 27/1061

Lah Mame	· STL Buffalo	Contract:		М	W-13C		
		.: SAS No.:	SDG No.:	·			
Matrix:	(soil/water) <u>WATER</u>		Lab Sample	∍ ID:	A5D4010	08	
Sample w	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>	Lab File 1	D:	Q9038.I	RR	<u></u>
Level:	(low/med) <u>LOW</u>		Date Samp,	/Recv:	11/22/:	<u> 2005</u> <u>1</u>	1/23/2005
% Moistu	re: not dec	<u>-</u>	Date Analy	zed:	11/28/2	2005	
GC Colum	n: <u>DB-624</u> ID	: 0.25 (nm)	Dilution I	Pactor:	1.0	00	
Soil Ext	ract Volume:	(uL)	Soil Aliqu	ot Volu	me:		(ಬL)
Number T	ICs found: 1		CONCENTRATIO (ug/L or ug		UG/L	1	
	CAS NO.	Compound Name	RT	Est. C	onc.	Q	
	1.	UNSATURATED HYDROCARBON	1.86	٠.	6	J	1

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

### 28/1061

Lab Name: <u>STL Buffal</u> o	Contract:		MW-14	
Lab Code: <u>RECNY</u> Case	No.: SAS No.:	SDG No.:		
Matrix: (soil/water) WAY		Lab Sample ID:	A5D40106	
Sample wt/vol:	5.00 (g/mL) <u>ML</u>	Lab File ID:		
Level: (low/med) <u>low</u>		Date Samp/Recv:	· .	
% Moisture: not dec	Heated Purge: N	Date Analyzed:	11/28/200	<u>05</u>
GC Column: <u>DB-624</u> I	D: <u>0.25</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:	(uL)
CAS NO. C	OMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
74-87-3 74-83-9B			10	บ
75-01-4V	inyl chloride		10	U U
67-64 <b>-</b> 1A			10 10	ָ ט
75-15-0C 75-35-41	,1-Dichloroethene		1	U U
67-66-3 <b></b> Cl			10	U U
78-93-32	2-Dichloroethane Butanone 1,1-Trichloroethane		10	U U
56-23-5C	arbon Tetrachloride		10	U U
78-87-51,	2-Dichloropropane .s-1,3-Dichloropropene		10	ט ט
ל79-01-6Тז	richloroethene bromochloromethane		10	U U
	1,2-Trichloroethane		10	U U
75-25-2Br	ans-1,3-Dichloropropene omoform		10	U.
591-78-62-			10	U U
127-18-4Te	luene		10	U U
108-90-7 <del>-</del> -Ch	1,2,2-Tetrachloroethane lorobenzene		10 10	U V
100-41-4Et 100-42-5St	yrene			U U
1330-20-7To	tal Xylenes chlorodifluoromethane		1	U U

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#### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: SIL Buffalo Contract:	•	MW-14		
Din Maile: Din Duriato Colletace:		-		
Lab Code: <u>RECNY</u> Case No.: SAS No.:	_ SDG No.: _			
Matrix: (soil/water) <u>WATER</u>	Lab Sample I	D: <u>A5D401</u>	06	
Sample wt/vol:5.00 (g/mL) ML	Lab File ID:	<u>Q</u> 9036.	RR	
Level: (low/med) <u>LOW</u>	Date Samp/Re	cv: <u>11/21/</u>	2005 <u>11/</u>	23/2005
% Moisture: not dec Heated Purge: N	Date Analyze	d: <u>11/28/</u>	2005	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Fac	tor: <u>1.</u>	<u>00</u>	
Soil Extract Volume: (uL)	Soil Aliquot	Volume:	(	uL)
CAS NO. COMPOUND	CONCENIRATION UN (ug/L or ug/Kg)		Q	
76-13-11,1,2-Trichloro-1,2,2-trifluor	roethane		U	
156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE)		10 10	U U	
156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane		10 10	U U	
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		. 10	Ū	
		:	177	
98-82-8Isopropylbenzene		10 10	n n	
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene		10		
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene		10 10 10 10	U U U	
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene		10 10 10 10	U U U	

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 30/1061

Iah Mame	v CTT. Duffalo	Contract:		MW-14		
TOO TOOK	· DITT DUCTATO	Contract:				-
Lab Code	e: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:	· · · · · · · · · · · · · · · · · · ·		
Matrix:	(soil/water) WATER	•	Lab Sample	ID: <u>A5D4</u> 0	0106	
Sample w	t/vol:5.0	0 (g/mL) <u>ML</u>	Lab File I	D: <u>Q9036</u>	S.RR	-
Level:	(low/med) <u>LOW</u>		Date Samp/	Recv: <u>11/21</u>	<u>/2005</u> <u>1</u> :	1/23/2005
% Moistu	re: not dec.		Date Analy	zed: <u>11/28</u>	3/2005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)	Dilution F	actor:1	00	
Soil Ext	ract Volume:	(นไ.)	Soil Aliqu	ot Volume: _		(uL)
Number T	ICs found: <u>1</u>		CONCENTRATIO (ug/L or ug	n units: /kg) <u>ug/i</u>	<u>.                                    </u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
	1.	UNKNOWN .	1.55	8	J	

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

### 31/1061

Lab Name: STL Buffalo Contract:	MW-1S
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>A5D40101</u>
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{ML}$	Lab File ID: <u>Q9031.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/28/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
	CONCENIRATION UNITS:
CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane	10 U
74-83-9Bromomethane	10 U
75-01-4Vinyl chloride	10 U
75-00-3Chloroethane	10 U
75-09-2Methylene chloride	10 0
67-64-1Acetone	10 U
75-15-0Carbon Disulfide	
	10 U
75-35-41,1-Dichloroethene	10 U
75-34-31,1-Dichloroethane	U 10 U
67-66-3Chloroform	10 U
107-06-21,2-Dichloroethane	10 U
78-93-32-Butanone	10 U
71-55-61,1,1-Trichloroethane	U U U
56-23-5Carbon Tetrachloride	U U U
75-27-4Bromodichloromethane	10 U
78-87-51,2-Dichloropropane	10 U
10061-01-5cis-1,3-Dichloropropene	10 U
79-01-6Trichloroethene	10 U
124-48-1Dibromochloromethane	10 0
79-00-51,1,2-Trichloroethane	
71-43-2Benzene	
	10 U
10061-02-6trans-1,3-Dichloropropend	
75-25-2Bromoform	U 10
108-10-14-Methyl-2-pentanone	U U
591-78-62-Hexanone	U 10
127-18-4Tetrachloroethene	10 U
108-88-3Toluene	10 U
79-34-51,1,2,2-Tetrachloroethane	3 - 10 U
108-90-7Chlorobenzene	10 U
100-41-4Ethylbenzene	10 U
100-42-5Styrene	10 U
1330-20-7Total Xylenes	10 0
75-71-8Dichlorodifluoromethane	10 0
75-69-4Trichlorofluoromethane	10 0
.5 55 1 III OTO TROTO TROTO TROTO	

#### DELITA - AQ - ASP 2000/8260 ~ TCL VOLATILES ANALYSIS DATA SHEET

### 32/1061

		MW-1S	
Lab Name: STL Buffalo Contract:			
Lab Code: RECNY Case No.: SAS No.: SDG	No.:		
Matrix: (soil/water) WATER Lab S	Sample ID:	A5D40101	
Sample wt/vol: 5.00 (g/mL) ML Lab I	File ID:	09031.RR	<del></del>
Level: (low/med) LOW Date	Samp/Recv:	11/21/200	5 11/23/2005
% Moisture: not dec Heated Purge: N Date	Analyzed:	11/28/2009	<u>5</u>
GC Column: DB-624 ID: 0.25 (mm) Dilut	ion Factor:	1.00	
Soil Extract Volume: (uL) Soil	Aliquot Volu	me:	(uL)
	ATION UNITS: :ug/Kg) <u>U</u>	G/L_	0
76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		10   T 10   T 10   T 10   T 10   T 10   T 10   T	
98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane		10   T 10   T 10   T 10   T 10   T	j j
120-82-11,2,4-Trichlorobenzene			J

#### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

### 33/1061

Tab Name	: STi Buffalo	Contract:			MW-1S		
	· · · · · · · · · · · · · · · · · · ·	.: SAS No.		SDG No.:		•	
Matrix:	(soil/water) WATER			Lab Samp.	le ID: <u>A5D40</u>	101	
Sample wi	t/vol: <u>5.0</u>	0 (g/mL) <u>ML</u>		Lab File	ID: <u>09031</u>	.RR	
Level:	(low/med) <u>LOW</u>	and the second section of the second section is a second section of the second section of the second section of the second section sec		Date Sam	p/Recv: <u>11/21</u>	/2005	11/23/2005
% Moistu	re: not dec.	<del>-</del>		Date Ana	lyzed: <u>11/28</u>	/2005	
GC Column	n: <u>DB-624</u> ID	:_0.25 (mm)		Dilution	Factor: 1	.00	+
Soil Exti	ract Volume:	(uL)		Soil Alio	quot Volume: _	·	_ (uL)
Number Tl	Cs found: _0			CONCENTRAT: (ug/L or 1	ION UNITS: ug/Kg) <u>UG/L</u>	<u>.</u>	
	CAS NO.	Compound N	lame	RT	Est. Conc.	Q	
							7

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

· 1 sr	- C - C - C - C - C - C - C - C - C - C			MW-2S	
Lab Name:	STL Buffalo	Contract:	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
Lab Code:	RECNY Car	se No.: SAS No.:	SDG No.:		
Matrix: (s	soil/water) <u>[</u>	WATER	Lab Sample ID:	A5D40102	
Sample wt/	vol:	<u>5.00</u> (g/mL) <u>ML</u>	Lab File ID:	<u>0</u> 9032.RR	
Level: (	(low/med) <u>I</u>	LOW	Date Samp/Recv:	11/21/20	<u>05</u> <u>11/23/2005</u>
% Moisture	: not dec	Heated Purge: N	Date Analyzed:	11/28/20	<u>05</u>
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Factor	: 1.00	
Soil Extra	act Volume: _	(பட்)	Soil Aliquot Vo	lume:	(uL)
C	AS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
		Chloromethane Bromomethane		10 10	U U
7:	5-00-3	Vinyl chloride Chloroethane		10 10	U U
6'	7-64-1			10 10	U
7	5-35 <b>-4</b>	Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane		10 10	บ บ บ
6'	7-66-3			10 10 10	U U
78	8-93-3 <b></b> -			10 10	ប
56	6 <b>-2</b> 3-5	-Carbon Tetrachloride -Bromodichloromethane		10 10	U U
78   10	8-87-5 0061-01-5	-1,2-Dichloropropane -cis-1,3-Dichloropropene		10 10	U U
79	9-01-6	-Trichloroethene -Dibromochloromethane		10 10	U U
71	1-43-2			10 10	U U
75	5-25-2			10 10	ប ប
59	91 <b>-</b> 78-6 <b>-</b>	-4-Methyl-2-pentanone -2-Hexanone			ប ប
10	08-88-3			10 10	ប
10	08-90-7	-1,1,2,2-Tetrachloroethane		10 10	U—————————————————————————————————————
10	00-42-5	<u> </u>			U U
75	5-71-8	-Total Xylenes -Dichlorodifluoromethane		10	U U
75	,-69-4	-Trichlorofluoromethane		10	U

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Name Off Duffield	Caratana ata		MW-2S		
Lab Name: <u>STL Buffalo</u>	Contract:				
Lab Code: <u>RECNY</u> Case No.: _	SAS No.:	SDG No.:			
Matrix: (soil/water) WATER		Lab Sample II	): <u>A5D401</u>	02	
Sample wt/vol: $\underline{5.00}$ (c	/mL) <u>ML</u>	Lab File ID:	09032.	RR	<del>.</del>
Level: (low/med) <u>LOW</u>		Date Samp/Rec	v: <u>11/21/</u>	2005 11	/23/2005
% Moisture: not dec H	eated Purge: <u>N</u>	Date Analyzed	l: <u>11/28/</u> 2	2005	
GC Column: <u>DB-624</u> ID: <u>0</u> .	25 (mm)	Dilution Fact	or: 1.	<u>00</u>	
Soil Extract Volume: (u	L)	Soil Aliquot	Volume:	<u> </u>	(uL)
CAS NO. COMPOUN	D	CONCENTRATION UNI (ug/L or ug/Kg)		Q	
76-13-11,1,2-T 156-60-5trans-1 1634-04-4Methyl-	,2-Dichloroethene_		10 10 10	n n	
156-59-2cis-1,2 110-82-7Cyclohe	VOLIC		10 10	U U	
108-87-2Methylc 106-93-41,2-Dib	romoethane		10 10	U U	
98-82-8Isoprop 541-73-11,3-Dic	hlorobenzene		10 10	ប	
106-46-71,4-Dic	hlorobenzene hlorobenzene		10 10	U U	
96-12-81,2-Dib 120-82-11,2,4-T	richlorobenzene		10 10	บ	
79-20-9Methyl a	acetate ———		10	U	

# DELITA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

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·	•				•	MW-2S		
Lab Name	: STL Buffalo	Contract:						
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:		SDG No.:	·			
Matrix:	(soil/water) WATER			Lab Samp	le ID:	A5D401	02	•
Sample w	t/vol: <u>5.00</u>	0 (g/mL) <u>ML</u>		Lab File	ID:	09032.	RR	
Level:	(low/med) <u>IOW</u>			Date Sam	o/Recv:	11/21/	<u> 2005</u> <u>1</u>	1/23/200
% Moistu	re: not dec	·		Date Ana	lyzed:	11/28/	2005	
GC Colum	n: <u>DB-624</u> ID:	: <u>0.25</u> (mm)		Dilution	Factor	:1.0	<u>00</u>	
Soil Ext	ract Volume:	(uL)	·.	Soil Alid	quot Vol	lume:	· · · · · · · · · · · · · · · · · · ·	(uL)
Number T	ICs found: 0			CONCENTRAT: (ug/L or 1	2		- 1	
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	
					-			7

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>STL Buffalo</u>	Contract.		MW-3	
TWO TAKES DITT DOLLATO	Contract:	<del></del> :	· · · · · · · · · · · · · · · · · · ·	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) <u>WATER</u>		Lab Sample	≥ ID: <u>A5D401</u>	_04
Sample wt/vol: $\underline{5.00}$ (	g/mL) <u>ML</u>	Lab File 1	D: <u>0</u> 9034.	RR
Level: (low/med) <u>LOW</u>		Date Samp/	/Recv: <u>11/21/</u>	<u> 2005</u> <u>11/23/2005</u>
% Moisture: not dec	Heated Purge: N	Date Analy	rzed: <u>11/28/</u>	<u> 2005</u>
GC Column: <u>DB-624</u> ID: <u>0</u>	<u>. 25</u> (mm)	Dilution F	Pactor: 4.	<u>00</u>
Soil Extract Volume: (i	uL)	Soil Aliqu	ot Volume: _	(uL)
CAS NO. COMPOU	AD.	CONCENIRATION (ug/L or ug/K	UNITS: [g] <u>UG/L</u>	Q
74-87-3Chloro			40	U
74-83-9Bromom	ethane		40	U
75-01-4Vinyl o	chloride		40	U
75-00-3Chloroe	ethane		40	U
75-09-2Methyle	ene chloride		40	U
67-64-1Acetone			40	U
75-15-0Carbon			40	U
75-35-41,1-Dic	chloroethene		40	ប
75-34-31,1-Dic	chloroethane		40	υ
167-66-3Chlorof	റ്റുന		40	U
107-06-21,2-Dic	chloroethane		40	<b>ט</b>
78-93-3 <b></b> 2-Butar	none		40	U
71-55-61,1,1-1	richloroethane	. •	40	ען די
56-23-5Carbon	Tetrachloride		40	U
75-27-4Bromodi	.chloromethane		40	ט
78-87-51,2-Dic	hloropropane .		40	υ
10061-01-5cis-1,3	-Dichloropropene		40	υ
79-01-6Trichlo	proethene		. 40	ט
124-48-1Dibromo	chloromethane		40	U
79-00-51,1,2-1	richloroethane		40	ט
71-43-2Benzene	•		40	U
10061-02-6trans-1	,3-Dichloropropene		40	ט
75-25-2Bromofo	ım — — —		40	υ
108-10-14-Methy	1-2-pentanone		40	U
591-78-62-Hexan	one		40	U
127-18-4Tetrach			40	U
108-88-3Toluene			40	U
79-34-51,1,2,2	-Tetrachloroethane	المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان المنتان	40	U.,
108-90-7Chlorob	enzene		40	υ
100-41-4Ethylbe	nzene		40	Ū
100-42-5Styrene			40	U
1330-20-7Total X			40	U
75-71-8Dichlore	odifluoromethane		40	Ū
75-69-4Trichlo	rofluoromethane		40	U

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

		•	MW-3	
Lab Name: <u>STL Buffalo</u>	Contract:		SDG No.: Lab Sample ID: A5D40104  Lab File ID: Q9034.RR  Date Samp/Recv: 11/21/2005 11/23/2005  Date Analyzed: 11/28/2005  Dilution Factor: 4.00  Soil Aliquot Volume: (uL)  ENTRATION UNITS: /L or ug/Kg) UG/L Q  hane 40 U 40 U 40 U 40 U 40 U 40 U 40 U 40 U	
Lab Code: <u>RECNY</u> . Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) WATER		Lab Sample ID	A5D40104	
Sample wt/vol: $\underline{5.00}$ (g/mL)	<u>M</u> L	Lab File ID:	09034.RR	<u> </u>
Level: (low/med) <u>LOW</u>		Date Samp/Reco	r: <u>11/21/20</u>	05 11/23/2005
% Moisture: not dec Heate	d Purge: N	Date Analyzed:	11/28/20	<u>105</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (	nm)	Dilution Facto	or: <u>4.00</u>	
Soil Extract Volume: (uL)		Soil Aliquot V	Volume:	(uL)
		CYNTOLD THE WILLIAM THE CANT THE THE	<b>2</b> 0	
CAS NO. COMPOUND				Q
76-13-11,1,2-Trich	loro-1,2,2-trifl	uoroethane	40	U
156-60-5trans-1,2-D			40	ע
1634-04-4Methyl-t-Bu	tyl Ether (MIBE)		40	U
156-59-2cis-1,2-Dic	hloroethene		40	<b>ט</b>
110-82-7Cyclohexane			40	U
108-87-2Methylcyclo			40	ט
106-93-41,2-Dibromo			40	ע
98-82-8Isopropylbe	nzene		40	ען ען
541-73-11,3-Dichlon	obenzene		40	1 -
106-46-71,4-Dichlore				1
95-50-11,2-Dichlore		-	the second secon	1 1
96-12-81,2-Dibromo				1 .
120-82-11,2,4-Trich	lorobenzene		40	<u> </u> U

### DELIIA - AQ - ASP 2000/8260 - TCL VOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

# 39/1061

Lab Name: STL Buffalo	Contract:	<u>.</u>	MM-3		
Lab Code: <u>REXNY</u> Case No.: _	SAS No.:	SDG No.:			
Matrix: (soil/water) WATER		Lab Sample ID:	A5D401	04	
Sample wt/vol: <u>5.00</u> (g,	/ml) <u>Ml</u>	Lab File ID:	<u>09034.1</u>	RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv	: <u>11/21/</u> :	2005 11	L/23/2005
% Moisture: not dec		Date Analyzed:	<u>11/28/</u> :	200 <u>5</u>	
GC Column: DB-624 ID: 0.2	<u>25</u> (mm)	Dilution Facto	r: <u>4.0</u>	<u>00</u>	
Soil Extract Volume: (uI	(د	Soil Aliquot Vo	olume:		(uL)
Number TICs found:0		CONCENTRATION UN (ug/L or ug/Kg)			
CAS NO.	Compound Name	RT Est	. Conc.	Q	

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Nam	e: <u>STL Buff</u> a	alo Contract:		MW-3S
		. ,		
Lab Cod	e: <u>RECNY</u>	Case No.: SAS No.:	SDG No.:	
Matrix:	(soil/wate	r) <u>WATER</u>	Lab Sample ID:	A5D40103
Sample v	wt/vol:		Lab File ID:	Q9033.RR
Level:	(low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moist	ure: not dec	Heated Purge: N	Date Analyzed:	11/28/2005
3C Colu	mn: <u>D</u> B-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Ext	tract Volume	e: (uL)	Soil Aliquot Vol	.ume: (uL)
	•		CONCENTRATION UNITS:	
	CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u> Q
	74-87-3	Chloromethane		10 U
		Bromomethane		10 U
	75-01-4	Vinyl chloride		10 U
	75-00-3	Chloroethane		10 U
		Methylene chloride		10 U -
	67-64-1	Acetone		10 0
		Carbon Disulfide		10 U
	75-35-4	1,1-Dichloroethene		
	75 24 2	1 1 Distinct Cettlette	: . ` .	10 U
		1,1-Dichlorcethane		10 U
	0/-00-3	Chloroform		10 U
	107-06-2	1,2-Dichloroethane		10 U
		2-Butanone		10 U
	71-55-6	1,1,1-Trichloroethane		10 U
	56-23-5	Carbon Tetrachloride		10   ט
	75-27-4	Bromodichloromethane		10 ປ
	78-87-5	1,2-Dichloropropane		10 υ
	10061-01-5	cis-1,3-Dichloropropene		10 U
	79-01-6	Trichloroethene		10 U
		Dibromochloromethane		10 U
	79-00-5	1,1,2-Trichloroethane		10 U
, · · · ·	71-43-2	Benzene		10 U
	10061-02-6	trans-1,3-Dichloropropene		l E .
	75-25-2:	Bromoform		10 U
				10 U
	T09-T0-T	4-Methyl-2-pentanone		10 U
		2-Hexanone		10 U
	127-18-4	Tetrachloroethene		10 U
	108-88-3			10 U
<u> </u>	79-34-5	1,1,2,2-Tetrachloroethane		-10 U
* .	108-90-7	Chlorobenzene		10 U
	100-41-4	Ethylbenzene		10 U
	100-42-5	Styrene		10 U
		Total Xylenes		10 U
	75-71-8	Dichlorodifluoromethane		10 U
	75-69-4	Trichlorofluoromethane		10 U
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### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:		MW-3S
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40103
Sample wt/vol: $5.00$ (g/mL) ML	Lab File ID:	Q9033 .RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: not dec Heated Purge: N	Date Analyzed:	11/28/2005
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>[</u>	<u>g/l</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifl 156-60-5trans-1,2-Dichloroethene		10 U 10 U
1634-04-4Methyl-t-Butyl Ether (MIBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane		10 U U 10 U U
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane		10 U U
98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene		10 U U U U U U U U U U U U U U U U U U U
95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromp-3-chloropropane		10 U U U U U U U U U U U U U U U U U U U
120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate		10 U U
· · · · · · · · · · · · · · · · · · ·		I

### DELIA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Nama	e: STL Buffalo	Contract:		·		MW-3S		
		.: SAS No.:		SDG No.:				
Matrix:	(soil/water) WATER			Lab Samp	le ID:	A5D4010	<u>3</u>	
Sample w	t/vol: <u>5.0</u>	0 (g/ml) <u>M</u> L		Lab File	ID:	<u>09033.R</u>	R	<del></del>
Level:	(low/med) <u>LOW</u>			Date Sam	o/Recv:	11/21/2	<u>005</u>	11/23/200
% Moistu	re: not dec	<u>.</u>		Date Ana	lyzed:	11/28/2	005	
GC Colum	n: <u>DB-624</u> ID	: <u>0.25</u> (mm)		Dilution	Factor:	1.0	<u>0</u> :	
Soil Ext	ract Volume:	(uL)		Soil Alic	quot Vol	ume:	· :	_ (யூ)
Number T	TCs found: <u>0</u>		(	CONCENTRATI (ug/L or t		,		
	CAS NO.	Compound Name		RT	Est.	Conc.	Q	
								<del>-</del> -

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

- 1			MW-5	-
Lab Name: <u>STL Buffalo</u>	Contract:	· · · · · · · · · · · · · · · · · · ·		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	ed Company	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40110	
Sample wt/vol: $5.00$	(g/mL) <u>ML</u>	Lab File ID:	<u>09040.RR</u>	<u>.                                    </u>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005	11/23/2005
% Moisture: not dec.	Heated Purge: N	Date Analyzed:	11/28/2005	
GC Column: <u>DB-624</u> ID: _	0.25 (mm)	Dilution Factor:	1.00	
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:	(uL)
		CONCENTRATION UNITS:		
CAS NO. COMPO	UND	(ug/L or ug/Kg)	UG/L_	Q
74-87-3Chlor	omethane		10 U	
74-83-9Bromo			-10 ប	
75-01-4Vinyl	. chloride		10 U	
75-00-3Chlor			10 ប្រ	
75-09-2Methy			10 U	
67-64-1Aceto			10 ប	
75-15-0Carbo			10 U	and the second s
75-35-41,1-D	ichlomethene		10 U	
75-34-31,1-D	richloroethane		10 U	
67-66-3Chlor			10 U	
107-06-21,2-D			10 U	· [
78-93-32-But			10 U	1
	-Trichloroethane		10 U	1
56-23-5Carbo		-	10 U	
75-27-4Bromo			10 0	
	ichloropropane		10 U	
10061 01 5 010 1	,3-Dichloropropene		10 U	
70-01-6	loroethene		10 U	· .
124-48-1Dibro	Toroectere		10 U	
79-00-51,1,2 71-43-2Benze			10 U	
			10 U	
	-1,3-Dichloropropene	<u>-</u>		
75-25-2Bromo				
108-10-14-Met			10 U	
591-78-62-Hex			10 U	
127-18-4Tetra			10 U	
108-88-3Tolue			10 U	
	,2-Tetrachloroethane	regression of the second secon	-10 U	- <del> </del>
108-90-7Chlore			10 U	
100-41-4Ethyll			19	
100-42-5Styre			10 ប្រ	
1330-20-7Total			10 U	
75-71-8Dichle			10 U	
75-69-4Trich	lorofluoromethane	·	10 U	

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### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Name (STE Dassa)	MW-5
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40110
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: <u>09040.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/28/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trif 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane 108-87-2Methylcyclohexane	10 U U U U U U U U U U U U U U U U U U U
106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene	10 U U U U U U U U U U U U U U U U U U U
96-12-81,2-Dibromo-3-chloropropand 120-82-11,2,4-Trichlorobenzene 79-20-9Methyl acetate	e 10 U U U U U U U U U U U U U U U U U U

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

		•	**			MW-5		
Lab Name	: STL Buffalo	Contra	ot:					
Lab Code	: <u>RECNY</u> Case No.	.: SAS	5 No.:	SDG No.: _	<u> </u>			
Matrix:	(soil/water) WATER			Lab Sampl	e ID:	A5D4011	.0. :	
Sample w	t/vol: <u>5.00</u>	) (g/mL) <u>ML</u>		Lab File	ID:	<u>09040.R</u>	R	
Level:	(low/med) LOW		the form of the first	Date Samp	/Recv:	11/22/2	005 1	1/23/200
% Moistu	re; not dec			Date Anal	yzed:	11/28/2	005	£ - +
GC Colum	n: <u>DB-624</u> ID:	<u>0.25</u> (mm)		Dilution	Factor:	1.0	<u>0</u>	
Soil Exti	ract Volume:	(uL)		Soil Aliq	uot Vol	ume:	· · · · · · · · · · · · · · · · · · ·	(uL)
Number Ti	ICs found: <u>0</u>			CONCENTRATION (ug/L or u	:	-·		
•	CAS NO.	Compor	and Name	RT	Est.	Conc.	Q	
	,							1

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	MW-7
THE PARTITION CONCLACE:	
Lab Code:   RECONY   Case No.:   SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>A5D40105</u>
Sample wt/vol: $\underline{-5.00}$ (g/mL) $\underline{\text{ML}}$	Lab File ID: <u>09035.RR</u>
Level: (low/med) <u>IOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/28/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume:(uL)	Soil Aliquot Volume: (uL)

GT G 370	courses.	CONCENTRATION		
CAS NO.	COMPOUND	(ug/L or ug/l	Kg) <u>UG/L</u>	Q ·
74-87-3	Chloromethane		10	U
	Bromomethane		10	- U
75-01-4	Vinyl chloride		10	ן ט
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		. 10	U
	Carbon Disulfide		10	ן ט
75-35-4	1,1-Dichloroethene		10	ע
	1,1-Dichloroethane		10	U
	Chloroform		10	U
	1,2-Dichloroethane		10	U
	2-Butanone		10	ן ט
	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	ן ט
75-27-4	Bromodichloromethane		. 10	U
78-87-5	1,2-Dichloropropane		10	ט
10061-01-5-	cis-1,3-Dichloropropene		10	ប
	Trichloroethene		10	<b>ט</b>
124-48-1	Dibromochloromethane		10	ן ט
	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U .
	trans-1,3-Dichloroproper	ie l	10	ן ט
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	ט
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U U
108-88-3			10	ט
79-34-5	1,1,2,2-Tetrachloroethar	ie	10	U  -
108-90-7	Chlorobenzene		. 10	U
	Ethylbenzene		10	U
100-42-5	Styrene		10	U
	Total Xylenes		10	U
	Dichlorodifluoromethane	· · · · · · · · · · · · · · · · · · ·	10	U
	Trichlorofluoromethane		10	บ

## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Tab Name CHT Disfinite Churching		MW-7
Lab Name: STL Buffalo Contract:	<del></del>	, , , , , , , , , , , , , , , , , , ,
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	A5D40105
Sample wt/vol:	Lab File ID:	Q9035.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
Moisture: not dec Heated Purge: N	Date Analyzed:	11/28/2005
SC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
	ENCENTRATION UNITS: (ug/L or ug/Kg) L	<u>G/L</u> Q
76-13-11,1,2-Trichloro-1,2,2-trifluoro 156-60-5trans-1,2-Dichloroethene 1634-04-4Methyl-t-Butyl Ether (MTBE) 156-59-2cis-1,2-Dichloroethene 110-82-7Cyclohexane		10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U 10 U U U U
108-87-2Methylcyclohexane 106-93-41,2-Dibromoethane 98-82-8Isopropylbenzene 541-73-11,3-Dichlorobenzene		10 U U U U U U U U U U U U U U U U U U U
95-50-11,2-Dichlorobenzene 96-12-81,2-Dibromo-3-chloropropane		10 U U 10 U U U U U U U U U U U U U U U
120-82-11,2,4-Trichlorobenzene		10 U U U

## DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 48/1061

					MW-7		
Lab Name	: STL Buffalo	Contract:			<u> </u>		1
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:		SDG No.:			
Matrix:	(soil/water) <u>WATER</u>		•	Lab Samp	le ID: <u>A5D40</u>	105	
Sample w	t/vol: <u>5.0</u> 0	) (g/mL) <u>ML</u>		Lab File	ID: <u>09035</u>	.RR	
Level:	(low/med) <u>IOW</u>			Date Sam	o/Recv: <u>11/21</u>	/2005 <u>1</u>	1/23/2005
% Moistu	re: not dec			Date Ana	lyzed: <u>11/28</u>	<u>/2005</u>	
GC Colum	n: <u>DB-624</u> ID:	<u>0.25</u> (mm)		Dilution	Factor: 1	.00	
Soil Ext	ract Volume:	(uL)		Soil Alio	quot Volume: _	·	(uL)
Number T	ICs found: <u>0</u>		(	CONCENIRATI (ug/L or u	ON UNITS: 19/Kg) <u>UG/L</u>		
	CAS NO.	Compound Name		RT	Est. Conc.	Q	
						1	7

### DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>STL Buffalo</u> Contract:	TRIP BLANK
Lab Code: <u>RECNY</u> Case No.: SAS No	
rab cocc. Ideal Case No.: BAS NO	, BD3 1v0.,
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40112
Sample wt/vol:5.00 (g/mL) ML	Lab File ID: <u>Q9025.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: not dec Heated Purge: N	Date Analyzed: <u>11/28/2005</u>
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
74-87-3Chloromethane	10 U
74-83-9Bromomethane	10 U
75-01-4Vinyl chloride	10 U
75-01-4Vily1 dilloride	10 U
	10 U
75-09-2Methylene chloride	
67-64-1Acetone	10 U
75-15-0Carbon Disulfide	10 U
75-35-41,1-Dichloroethene	10 U
75-34-31,1-Dichloroethane	10 U
67-66-3Chloroform	10 U
107-06-21,2-Dichloroethane	U 10 U
78-93-32-Butanone	U 10 U
71-55-61,1,1-Trichloroethane	10 U
56-23-5Carbon Tetrachloride	10 U
75-27-4Bromodichloromethane	10 U
78-87-51,2-Dichloropropane	10 U
10061-01-5cis-1,3-Dichloroproper	ne 10 U
79-01-6Trichloroethene	10 U
124-48-1Dibromochloromethane	10 U
79-00-51,1,2-Trichloroethane	10 U
71-43-2Benzene	10 0
10061-02-6trans-1,3-Dichloroprop	
75-25-2Bromoform	10 U
108-10-14-Methyl-2-pentanone	10 U
591-78-62-Hexanone	10 U
127-18-4Tetrachloroethene	10 U
108-88-3Toluene	10 U
79-34-51,1,2,2-Tetrachloroeth	
108-90-7Chlorobenzene	10 U
100-41-4Ethylbenzene	10 0
100-42-5Styrene	10 0 0
1330-20-7Total Xylenes	10 0
75-71-8Dichlorodifluoromethan	
75-69-4Trichlorofluoromethane	
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## DELITA - AQ - ASP 2000/8260 - TCL VOLATILES ANALYSIS DATA SHEET

Lab Name: <u>STL Buffalo</u> Co	ontract:		T	RIP BLAN	IK .	
Lab Code: RECNY Case No.:		SDG No.:	· · · · · · · · · · · · · · · · · · ·			
Matrix: (soil/water) WATER		Lab Sample 1	ID: <u>A5</u>	D40112		
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{MI}$	<b>.</b>	Lab File ID:	<u>Q9</u>	025.RR		
Level: (low/med) <u>LOW</u>		Date Samp/Re	cv: <u>11</u>	/22/2005	11/23	/2005
% Moisture: not dec Heated F	urge: N	Date Analyze	:d: <u>11</u>	/28/2005		
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Fac	tor:	1.00		
Soil Extract Volume: (uL)		Soil Aliquot	. Volume	•	(uL)	)
CAS NO. COMPOUND		CONCENTRATION UN (ug/L or ug/Kg)		<u>L</u>	Q	
76-13-11,1,2-Trichlor 156-60-5trans-1,2-Dich 1634-04-4Methyl-t-Butyl	loroethene		10 10 10	and the second second		
156-59-2cis-1,2-Dichlo	roethene		10 10 10	บ บ		
106-93-41,2-Dibromoeth   98-82-8Isopropylbenze	ane ne		10 10	ט	• . ]	
541-73-11,3-Dichlorober	nzene		10 10	ប		
95-50-11,2-Dichlorober 96-12-81,2-Dibromo-3-c 120-82-11,2,4-Trichloro	chloropropane		10 10	U U		
79-20-9Methyl acetate			10	77		

### DELTA - AQ - ASP 2000/8260 - TCL VOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

## 51/1061

		TRIP BLANK	
Lab Name: STL Buffalo Contract:	•		
Lab Code: RECNY Case No.: SAS No.:	SDG No.:		• .
Matrix: (soil/water) WATER	Lab Sample ID:	A5D40112	
Sample wt/vol: $5.00$ (g/mL) $\underline{\text{ML}}$	Lab File ID:	<u>09025.RR</u>	
Level: (low/med) LOW	Date Samp/Recv:	11/22/2005 11/23/20	05
% Moisture: not dec	Date Analyzed:	11/28/2005	-
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (uL)	
Number TICs found:0	CONCENTRATION UNI (ug/L or ug/Kg)		
CAS NO. Compound Name	RT Est.	Conc. Q	

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: SIL Buffalo	Contract:		MV-1
Lab Code: RECNY Ca	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40111
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06910.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N	pH: <u>7.0</u>		•

		CONCENTRATION	UNITS	<u>.</u>	
CAS NO.	COMPOUND	(ug/L or ug/	Kg)	UG/L	Q
100-52-7	-Benzaldehyde			9	ט
108-95-2				9	u
111-44-4	-Bis(2-chloroethyl) ether	· · · · · · · · · · · · · · · · · · ·		9	บ
95-57-8	-2-Chlorophenol		[	9	Ū
95-48-7	-2-Methylphenol	·	<b> </b>	9	ָ ען
108-60-1	-2,2'-Oxybis(1-Chloropropane)			9	lΰ
98-86-2	-Acetophenone			9	Ü
106-44-5	-4-Methylphenol			9	U U
621-64-7	-N-Nitroso-Di-n-propylamine		1	9	ן מ
67-72-1	-Hexachloroethane			9	lu l
98-95-3	-Nitrobenzene			9	ן מן
78-59-1	-Isophorone			9.	Ū
88-75-5	-2-Nitrophenol			وَ	ם ו
105-67-9	-2,4-Dimethylphenol			9	U
111-91-1	-Bis(2-chloroethoxy) methane			9 .	ا تا
120-83-2	-2,4-Dichlorophenol			9	lu l
91-20-3	-Naphthalene	· · · · · · · · · · · · · · · · · · ·		9	บ
106-47-8	-4-Chloroaniline			9	U U
	-Hexachlorobutadiene			9	ט ו
105-60-2	-Caprolactam	····		9	U U
59-50-7	-4-Chloro-3-methylphenol			9	ט
91-57-6	-2-Methylnaphthalene			3	J
77-47-4	-Hexachlorocyclopentadiene			24	U
88-06-2	-2,4,6-Trichlorophenol			9	וט
95-95-4	-2,4,5-Trichlorophenol			9	U
92-52-4	-Biphenyl			9	1- 1
	-2-Chloronaphthalene			_	Ū
88-74-4	2-Nitroaniline			9	U
	Dimethyl phthalate			24	U
208-96-8	Acenaphthylene			9	U
606-20-2	2,6-Dinitrotoluene			9	U
99-09-2	3-Nitroaniline			9	U
02 2				24	U

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: SIL Buffal	o Contract:		MW-1
200 1000 1 <u>D11 101101</u>	Street,		
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40111
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>M</u> L	Lab File ID:	W06910.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	·2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/k	 : <u>UG/L</u>	Q
83-32-9	Acenaphthene		0.6	J
51-28-5	2,4-Dinitrophenol	· · · · · · · · · · · · · · · · · · ·	24	U
100-02-7	4-Nitrophenol		24	U
132-64-9	Dibenzofuran		9	U
121-14-2	2,4-Dinitrotoluene		9	ט
84-66-2	Diethyl phthalate		9	ט
7005-72-3	4-Chlorophenyl phenyl ether		9	บ
86-73-7	Fluorene		9	ַ ט
	4-Nitroaniline		24	U
534-52-1	4,6-Dinitro-2-methylphenol		24	U
86-30-6	N-nitrosodiphenylamine		9	ប
101-55-3	4-Bromophenyl phenyl ether		9	U
118-74-1	Hexachlorobenzene		9	ប
1912-24-9			9	ับ
	Pentachlorophenol		24	υ
	Phenanthrene		0.8	J
120-12-7	Anthracene	. \	1.	J
86-74-8			9	U
	Di-n-butyl phthalate		9	U
	Fluoranthene		9	ט
129-00-0			9	ען ו
	Butyl benzyl phthalate		9	יט ו
91-94-1	3,3'-Dichlorobenzidine		9	ט ו
	Benzo (a) anthracene	_	9	บ
218-01-9	Chrysene		9	ប
117-81-7	Bis(2-ethylhexyl) phthalate		9	บ
	Di-n-octyl phthalate		9	ן ט
	Benzo(b) fluoranthene		9	.  บ
	Benzo(k) fluoranthene		9	ט
50-32-8	Benzo(a)pyrene		9	U
193-39-5	Indeno(1,2,3-cd)pyrene		9	U
	Dibenzo (a, h) anthracene		9	ט
				1 1

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

= 1 **		•			MW-1
Lab Name	: STL Buffa	<u>lo</u> Co	ntract:		
Lab Code	: <u>RECNY</u> (	Case No.:	SAS No.:	SDG No.:	<del>_</del>
Matrix:	(soil/water)	WATER		Lab Sample ID:	A5D40111
Sample wt	t/vol:	<u>1060.0</u> (g/mL) <u>M</u> L		Lab File ID:	W06910.RR
Level:	(low/med)	TOM		Date Samp/Recv:	11/22/2005 11/23/2005
% Moistu	re:	decanted: (Y/N)	$\bar{\mathbf{N}}$	Date Extracted:	11/28/2005
Concentra	ated Extract	: Volume: 1000 (uL)		Date Analyzed:	12/06/2005
Injection	n Volume:			Dilution Factor	:1.00
GPC Clear	nup: (Y/N)	<u>N</u> pH: _7.0			·
	CAS NO.	COMPOUND		ONCENTRATION UNITS (ug/L or ug/Kg)	
	191-24-2	Benzo(ghi)pery	lene		. 9 U

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Λ[]V —	i	÷			
	II.	MW-T	MW-T	MM-T	[AIM — T

Lab Name: STL Buffalo Contract:

Lab Code: <u>RECNY</u> Case No.: \_\_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40111

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06910.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.63	42	JN
2.	UNKNOWN	8.26	43	J
3.	UNKNOWN	8.48	20	J
4.	UNKNOWN	8.62	15	J
5.	UNKNOWN	8.70	22	ਹ
6.	UNKNOWN	8.84	23	J
7.	UNKNOWN	8.89	15	J
8.	UNKNOWN	9.10	63	J
9, 585-34-2	M-TERT-BUTYL PHENOL	9.28	55	JN
10.	UNKNOWN	9.36	27	J
11. 85-44-9	PHTHALIC ANHYDRIDE	9.53	28	JN
12.	UNKNOWN	9.65	42	J
13.	UNKNOWN	9.76	74	J
14.	UNKNOWN	9.84	23	J
15.	UNKNOWN	10.10	24	J
16.	UNKNOWN	10.17	17	J
17.	UNKNOWN	10.30	85	J
18.	UNKNOWN	10.33	27	J
19.	UNKNOWN	10.73	30	J
20.	UNKNOWN	10.76	15	J
21.	UNKNOWN	10.89	26	J
22.	UNKNOWN	10.92	15	J
23.	UNKNOWN	11.10	28	J

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo Contract:		MW-1
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5D40111
Sample wt/vol: 1060.0 (g/mL) ML	Lab File ID:	W06910.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0	•	
	CONCENIRATION UNIT	

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	11.34	34	J
25.	UNKNOWN	11.46	16	IJ
26.	UNKNOWN	11.79	24	IJ
27.	UNKNOWN	11.93	36	J
28.	UNKNOWN	12.31	32	J
29. 934-34-9	2 (3H) -BENZOTHTAZOLONE	12.38	15	JN
30. 112-84-5	(Z)-13-DOCOSENAMIDE	16.42	33	JN

(ug/L or ug/Kg)

UG/L

Number TICs found: 30

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>STL Buffal</u>	· ·	ontract:		MW-10
	<u></u>	onorace.	<del></del>	
Lab Code: <u>RECNY</u> (	lase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER		Lab Sample ID:	A5D40109
Sample wt/vol:	1060.0 (g/mL) M	L	Lab File ID:	W06906.RR
Level: (low/med)	TOM		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N	i) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract	: Volume: 1000 (uL	n)	Date Analyzed:	12/06/2005

GPC Cleanup: (Y/N) N pH: 7.0

Injection Volume: 2.00 (uL)

CONCEN	IRATION	UNITS	:
117	/	tr)	T 273 /T

Dilution Factor: \_\_\_\_1.00

CAS NO.	COMPOUND	(ug/L or ug/H	(g)	UG/L	Q
100-52-7	Benzaldehyde			9	บ
108-95-2	Phenol			9	ע
111-44-4	Bis(2-chlorcethyl) ether			9	ע
95-57-8	2-Chlorophenol			· 9	U
95-48-7	2-Methylphenol	<del></del>	-	9	ט
	2,2'-Oxybis(1-Chloropropane)			9	ט
	Acetophenone			9	ט
106-44-5	4-Methylphenol			9	ט
	N-Nitroso-Di-n-propylamine			9	U
	Hexachloroethane			9	U
	Nitrobenzene			9	ט
78-59-1				9	U
88-75-5	2-Nitrophenol			9	ן ט
	2,4-Dimethylphenol			9	ט
111-91-1	Bis(2-chloroethoxy) methane			9	ט
120-83-2	2,4-Dichlorophenol			9	U
	Naphthalene			9	U
106-47-8	4-Chloroaniline			9	ט ו
87-68-3	Hexachlorobutadiene			9	ט
105-60-2	Caprolactam			9	<b>υ</b>
59-50-7	4-Chloro-3-methylphenol			9	ן דו
91-57-6	2-Methylnaphthalene			9	U
77-47-4	-Hexachlorocyclopentadiene			24	U
88-06-2	-2,4,6-Trichlorophenol			9	U
95-95-4	-2,4,5-Trichlorophenol			9	U
92-52-4	-Biphenyl			9	U
	-2-Chloronaphthalene			9	U
	-2-Nitroaniline			24	υ l
131-11-3	-Dimethyl phthalate			9	U
	-Acenaphthylene			9	Ū
	-2,6-Dinitrotoluene			9	U I
	-3-Nitroaniline			24	Ū

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo	Contract:		MW-10
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40109
Sample wt/vol: <u>1060.0</u> (g/m	ъ) <u>мг</u>	Lab File ID:	W06906.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted:	(Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 100	<u>0</u> (uL)	Date Analyzed:	12/06/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0			

		CONCENTRATION UNI		·
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q ·
83-32-9	Acenaphthene		9	U
51-28-5	2,4-Dinitrophenol		24	Ū
100-02-7	4-Nitrophenol		24	Ū
132-64-9	Dibenzofuran		9	U
	2,4-Dinitrotoluene		9	บ
84-66-2	Diethyl phthalate		9	שׁ
7005-72-3	4-Chlorophenyl phenyl ether		9	บ
86-73-7	Fluorene		9	U
	4-Nitroaniline		24	lΰ
534-52-1	4,6-Dinitro-2-methylphenol		24	U
86-30-6	N-nitrosodiphenylamine		9	U
101-55-3	4-Bromophenyl phenyl ether		9	ט ו
118-74-1	Hexachlorobenzene		9	ן ט
1912-24-9			9	ט
	Pentachlorophenol		24	ו טו
	Phenanthrene		9	lu l
	Anthracene		9	ט
86-74-8			9	ן ט
	Di-n-butyl phthalate		9	ים ו
	Fluoranthene		9	Ū
129-00-0	Pyrene		9	U
	Butyl benzyl phthalate		9	Ū
91-94-1	3,3'-Dichlorobenzidine		9	ן עו
56-55-3	Benzo (a) anthracene		9	ן ע
218-01-9	Chrysene		9	ט
117-81-7	Bis(2-ethylhexyl) phthalate		9	ט ו
117-84-0	Di-n-octyl phthalate		9	ו עו
205-99-2	Benzo(b) fluoranthene		9	U
207-08-9	Benzo(k)fluoranthene	<u></u>	9	Ü
50-32-8	Benzo (a) pyrene		9	ا تا
193-39-5	Indeno(1,2,3-cd)pyrene		9	ΙŬ
53-70-3	Dibenzo(a,h)anthracene		9	Ü
<u> </u>			<del>-</del>	

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	MW-10
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: A5D40109
Sample wt/vol: <u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID: W06906.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/06/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 7.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
191-24-2Benzo (ghi) perylene	9 U

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffal	o Contract:		MW-10
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40109
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06906.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	<u>2.00</u> (虹)	Dilution Factor:	1.00

Number TICs found: 28

GPC Cleanup: (Y/N) N pH: 7.0

CONCENIRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-40-0	TRIETHYL PHOSPHATE	7.64	28	JN
2.	UNKNOWN	7.99	4	J
3.	UNKNOWN PHENOL DERIVATIVE	8.42	9	J
4.	UNKNOWN	8.54	6	J
5.	UNKNOWN	8.61	4	J
6.	UNKNOWN PHENOL DERIVATIVE	8.68	4	J
7.	UNKNOWN	8.81	8	J
8.	UNKNOWN	8.90	3	J
9.	UNKNOWN	8.99	4	J
10.	UNKNOWN	9.06	10	J
11.	UNKNOWN	9.14	3	J
12.	UNKNOWN	9.20	4	J
13.	UNKNOWN	9.28	6	J
14.	UNKNOWN	9.32	4	J
15.	UNKNOWN	9.42	2	J
16.	UNKNOWN	9.55	5	J
17.	UNKNOWN	9.76	5	J
18.	UNKNOWN ACETIC ACID DERIVATI	9.79	4	J
19.	UNKNOWN	9.90	5	J
20.	UNKNOWN PHENOL DERIVATIVE	10.20	11	J
21.	UNKNOWN	10.34	5	J
22.	UNKNOWN	10.43	8	J
23.	UNKNOWN	10.47	3	J

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

F	
MW-10	
}	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_

Matrix: (soil/water) WATER

Lab Sample ID:

A5D40109

Sample wt/vol: 1060.0 (g/mL) ML

Lab File ID:

W06906.RR

Level: (low/med) LOW

Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_ decanted: (Y/N) N

Date Extracted: <u>11/28/2005</u>

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: <u>12/06/2005</u>

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 28

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L\_

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 25. 26. 27. 28. 112-84-5	UNKNOWN UNKNOWN UNKNOWN UNKNOWN (Z)-13-DOCOSENAMIDE	11.13 11.89 11.94 12.20 16.39	3 5 6 2 32	J J J BJN

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	Contract:		MV-13
	ase No.:		
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40107
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06904.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00(以上)	Dilution Factor:	1.00
	•	•	

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

		CONCENTRATION		:	
CAS NO.	COMPOUND	(ug/L or ug/l	Kg)	UG/L	Q
100-52-7	Benzaldehyde			9	U
108-95-2			[	9	ט
111-44-4	Bis(2-chloroethyl) ether		<b> </b>	9	ט
95-57-8	2-Chlorophenol			9	U
95-48-7	2-Methylphenol			9	U
108-60-1	2,2'-Oxybis(1-Chloropropane)			9	ט [
98-86-2	Acetophenone			9	U
106-44-5	4-Methylphenol			9 .	U
621-64-7	N-Nitroso-Di-n-propylamine			9	U
	Hexachloroethane			9	U
98-95-3	Nitrobenzene			9	ע
78-59-1	Isophorone			9	lu l
	2-Nitrophenol			9	ן מ
105-67-9	2,4-Dimethylphenol			9	ט
111-91-1	Bis(2-chloroethoxy) methane	<u> </u>		9	U
	2,4-Dichlorophenol			9	ן מן
91-20-3	Naphthalene			9	Ū l
106-47-8	4-Chloroaniline			9	ן ט
87-68-3	Hexachlorobutadiene			9	ן טן
105-60-2	Caprolactam			9	ן ט
59-50-7	4-Chloro-3-methylphenol	·		9	ן ט
	2-Methylnaphthalene			9	U
	Hexachlorocyclopentadiene			24	U
	2,4,6-Trichlorophenol	· · · · · · · · · · · · · · · · · · ·		9	ט
95-95-4	2,4,5-Trichlorophenol			9	ען ו
92-52-4				9	ן ט
	2-Chloronaphthalene			9	U
88-74-4	2-Nitroaniline			24	Ū
131-11-3	Dimethyl phthalate			9	Ū
	-Acenaphthylene			9	lu l
	-2,6-Dinitrotoluene			9	Ū
	-3-Nitroaniline			24	U
	,				

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffalo	Contract:	_	MW-13
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40107
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06904.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	<u>2.00</u> (പ്L)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	) <u>UG/L</u>	Q
83-32-9	Acenaphthene		0.3	J
51-28-5	2,4-Dinitrophenol		24	U
	4-Nitrophenol		24	U
132-64-9	Dibenzofuran		9	U
121-14-2	2,4-Dinitrotoluene		9	υ
84-66-2	Diethyl phthalate		9	U ·
7005-72-3	4-Chlorophenyl phenyl ether		9	U
86-73-7	Fluorene		9	υ
100-01-6	4-Nitroaniline		24	υ
534-52-1	4,6-Dinitro-2-methylphenol		24	ט
86-30-6	N-nitrosodiphenylamine		9	U
101-55-3	4-Bromophenyl phenyl ether		9	U .
118-74-1	Hexachlorobenzene		9	U
1912-24-9	Atrazine		9	U
	Pentachlorophenol		24	U
85-01-8	Phenanthrene		0.3	J
120-12-7	Anthracene		9	บ
86-74-8	Carbazole		9	U
84-74-2	Di-n-butyl phthalate		9	U
206-44-0	Fluoranthene		9	U
129-00-0	Pyrene		0.2	J
	Butyl benzyl phthalate		9	U
91-94-1	3,3'-Dichlorobenzidine		9	U
	Benzo (a) anthracene		9	U
218-01-9	Chrysene		9	U
	Bis(2-ethylhexyl) phthalate		9	U
117-84-0	Di-n-octyl phthalate		9	ប
205-99-2	Benzo(b)fluoranthene		9	U
	Benzo(k)fluoranthene		9	U
50-32-8	Benzo(a)pyrene		9	Ü
193-39-5	Indeno(1,2,3-cd)pyrene		9	U
53-70-3	Dibenzo(a,h)anthracene		9	U

#### ASP 2000 - MEIHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name	: STL Buffal	<u>o</u> C	ontract:		MW-13		
Lab Code	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:		4	
Matrix:	(soil/water)	WATER		Lab Sample II	): <u>A5D4010</u> 7	7	
Sample wi	t/vol:	1060.0 (g/mL) M	្ន	Lab File ID:	W06904.F	RR	
Level:	(low/med)	<u>LOW</u>		Date Samp/Rec	ev: <u>11/22/20</u>	005 11/2	23/2005
% Moistu	re:	decanted: (Y/N)	) <u>N</u>	Date Extracte	ed: <u>11/28/20</u>	005	
Concentra	ated Extract	Volume: 1000 (uL)	)	Date Analyzed	i: <u>12/06/20</u>	005	
Injection	n Volume:	_2.00 (uL)	·	Dilution Fact	or: <u>1.00</u>	2	
GPC Clear	nup: (Y/N) ]	N pH: 7.0		÷	٠		
	CAS NO.	COMPOUND		ONCENTRATION UNI (ug/L or ug/Kg)		Q	
	191-24-2	Benzo(ghi)pery	ylene		9	ט	

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-13	

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40107

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06904.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

Number TICs found: 28 (ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.63	3	J
2. 78-40-0	TRIEIHYL PHOSPHATE	7.64	5	JN
3.	UNKNOWN	8.14	4	J
4.	UNKNOWN	8.42	8	J
5.	UNKNOWN	8.46	2	J
6.	UNKNOWN	8.54	7	J
7.	UNKNOWN	8.72	5 3	J
8.	UNKNOWN	8.87	3	J
9.	UNKNOWN	8.98	8	J
10.	UNKNOWN	9.04	4	J
11.	UNKNOWN	9.17	2	J
12.	UNKNOWN	9.26	3	J
13.	UNKNOWN	9.34	. 2	J
14.	UNKNOWN	9.39	2	J
15.	UNKNOWN	9.43	4	J
16.	UNKNOWN	9.53	6	Ĵ
17.	UNKNOWN	9.60	3	J
18.	UNKNOWN	9.63	7	J
19.	UNKNOWN	9.73	3	J
20.	UNKNOWN	10.08	2	J
21.	UNKNOWN	10.15	4	J
22.	UNKNOWN	10.19	3	J
23.	UNKNOWN	10.51	2	J

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo Contract:	MW-13
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40107
Sample wt/vol: <u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID: W06904.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2009</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/06/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 7.0	·

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 25. 26. 27. 123-95-5 28. 112-84-5	UNKNOWN UNKNOWN UNKNOWN BUTYL ESTER OCTADECANOIC ACI (Z)-13-DOCOSENAMIDE	10.56 11.86 12.26 15.24 16.39	3 3 2 24 31	J J JN BJN

Number TICs found: 28

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: <u>STL Buffal</u>	o Contract:		MW-13C
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40108
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06905.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005

GPC Cleanup: (Y/N) N pH: 7.0

Injection Volume: 2.00 (uL)

CONCENTRATION UNITS:

Dilution Factor: 1.00

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
	Benzaldehyde		9	U
108-95-2			9	ับ
111-44-4	Bis(2-chloroethyl) ether		9	U
95-57-8	2-Chlorophenol		9	U
95-48-7	2-Methylphenol		9	ַ
	2,2'-Oxybis(1-Chloropropane)		9	U
98-86-2	Acetophenone		9	U
106-44-5	4-Methylphenol		9	U
621-64-7	N-Nitroso-Di-n-propylamine		9	ט
	Hexachloroethane		9	ט
	Nitrobenzene		9	ט
	Isophorone		9	ט
88-75-5	2-Nitrophenol		9	U
105-67-9	2,4-Dimethylphenol		9	ប
111-91-1	Bis(2-chloroethoxy) methane		9	U
120-83-2	2,4-Dichlorophenol		9	ไบ
91-20-3	Naphthalene		9	ប
106-47-8	4-Chloroaniline		9	ប
87-68-3	Hexachlorobutadiene		9	ש
105-60-2	Caprolactam		9	ט
59-50-7	4-Chloro-3-methylphenol		9	ט
	2-Methylnaphthalene		9	υ
77-47-4	Hexachlorocyclopentadiene		24	lυ
	2,4,6-Trichlorophenol		9	U
	2,4,5-Trichlorophenol		. 9	U
92-52-4	Biphenyl		9	U
91-58-7	2-Chloronaphthalene		9	Ū
	2-Nitroaniline		24	lŪ
	Dimethyl phthalate		و	Ū
208-96-8	Acenaphthylene		9	บ
	2,6-Dinitrotoluene		9	U
	3-Nitroaniline		24	ϋ

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: SIL Buffalo	Contract:	<del></del>	MW-13C
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40108
Sample wt/vol: <u>1060.0</u> (	g/mL) <u>ML</u>	Lab File ID:	W06905.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted	: (Y/N) Ŋ	Date Extracted:	11/28/2005
Concentrated Extract Volume:_	1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: _	7.0		•

R3-32-9Acenaphthene   0.4   J   51-28-52, 4-Dinitrophenol   24   U   100-02-74-Nitrophenol   24   U   132-64-9Dibenzofuran   9   U   121-14-22, 4-Dinitrotoluene   9   U   84-66-2Diethyl phthalate   9   U   86-62Diethyl phthalate   9   U   86-73-7Fluorene   9   U   86-73-7Fluorene   9   U   86-30-6Nnitrosaniline   24   U   86-30-6Nnitrosaniline   24   U   86-30-6Nnitrosaniline   9   U   101-55-34-Bromophenyl phenyl ether   9   U   101-55-34-Bromophenyl phenyl ether   9   U   118-74-1Hexachlorobenzene   9   U   1912-24-9Atrazine   9   U   120-12-7Anthracene   9   U   86-74-8			CONCENTRATION UNI	TS:	
51-28-52,4-Dinitrophenol   24   U   100-02-74-Nitrophenol   24   U   132-64-9Dibenzofuran   9   U   121-14-22,4-Dinitrotoluene   9   U   84-66-2Diethyl phthalate   9   U   84-66-2Diethyl phthalate   9   U   86-73-7Fluorene   9   U   100-01-64-Nitroaniline   24   U   100-01-64-Nitroaniline   24   U   100-01-6N-nitrosodiphenylamine   9   U   101-55-34-Bromophenyl phenyl ether   9   U   118-74-1Hexachlorobenzene   9   U   118-74-1	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
51-28-52,4-Dinitrophenol   24   U   100-02-74-Nitrophenol   24   U   132-64-9Dibenzofuran   9   U   121-14-22,4-Dinitrotoluene   9   U   84-66-2Diethyl phthalate   9   U   84-66-2Diethyl phthalate   9   U   86-73-7Fluorene   9   U   100-01-64-Nitroaniline   24   U   100-01-64-Nitroaniline   24   U   100-01-6N-nitrosodiphenylamine   9   U   101-55-34-Bromophenyl phenyl ether   9   U   118-74-1Hexachlorobenzene   9   U   118-74-1	83-32-9	Acenaphthene	-	0.4	J
132-64-9Dibenzofuran   9 U   121-14-22,4-Dinitrotoluene   9 U   84-66-2Diethyl phthalate   9 U   7005-72-34-Chlorophenyl phenyl ether   9 U   86-73-7Fluorene   9 U   100-01-64-Nitroaniline   24 U   534-52-14,6-Dinitro-2-methylphenol   24 U   86-30-6N-nitrosodiphenylamine   9 U   101-55-34-Bromophenyl phenyl ether   9 U   118-74-1Hexachlorophenyl phenyl ether   9 U   118-74-1	51-28-5	2,4-Dinitrophenol		24	ן ט
121-14-22,4-Dinitrotoluene       9       U         84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         85-01-8Phenanthrene       0.3       J         120-12-7				24	ט
84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5				9	ן ט
7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8				9	ן ט
86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         86-74-8	84-66-2	Diethyl phthalate		9	ן ט
100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5	7005-72-3	4-Chlorophenyl phenyl ether		.9	ט
534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0	86-73-7	Fluorene		9	ן ט
86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8				24	ט
101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9	534-52-1	4,6-Dinitro-2-methylphenol		24	ן טן
118-74-1Hexachlorobenzene       9       U         1912-24-9	86-30-6	N-nitrosodiphenylamine		9	ן ט
1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0	101-55-3	4-Bromophenyl phenyl ether		9	ע
87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0				9	ע
85-01-8Phenanthrene       0.3       J         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo(a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U				9 .	ן ט
120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo(a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U			· · · · · · · · · · · · · · · · · · ·	24	ן ט
86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo(a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U				0.3	J
84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo(a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis(2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo(b) fluoranthene       9       U				9	י ט
206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo(a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U	86-74-8	Carbazole		9	U
129-00-0				9	י ט
85-68-7				9	ן ט
91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U				9	ן ט
91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U	85-68-7	-Butyl benzyl phthalate		9	ן מ
218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U	91-94-1	-3,3'-Dichlorobenzidine		9	ט
117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U	56-55-3	Benzo (a) anthracene		9	ט
117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U				9	U
205-99-2Benzo (b) fluoranthene 9 U	117-81-7	-Bis(2-ethylhexyl) phthalate		9	lu l
COM	117-84-0	-Di-n-octyl phthalate		9	ט
loom as a	205-99-2	-Benzo(b)fluoranthene		9	, ,
1	207-08-9	-Benzo(k)fluoranthene		9	U
50-32-8Benzo(a) pyrene 9 U					į ,
193-39-5Indeno (1, 2, 3-cd) pyrene 9 U	193-39-5	-Indeno (1,2,3-cd) pyrene		9	lu l
53-70-3Dibenzo (a, h) anthracene	53-70-3	-Dibenzo (a,h) anthracene		9	U

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract:	MW-13C
teo name. Otherace:	
Lab Code: REXINY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) WATER	Lab Sample ID: A5D40108
Sample wt/vol: <u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID: W06905.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/06/2005</u>
Injection Volume: 2.00(uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 7.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
191-24-2Benzo(ghi)perylene	9 0

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: STL Buffalo Contract:		MW-13C
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5D40108
Sample wt/vol: 1060.0 (g/mL) ML	Lab File ID:	W06905.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture: decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume: 2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0		

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

Number TICs found: 30

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.63	3	J
2.	UNKNOWN	7.64	5	J
3.	UNKNOWN	8.15	5	J
4.	UNKNOWN PHENOL DERIVATIVE	8.42	9	J
5.	UNKNOWN	8.46	2	J
6.	UNKNOWN	8.54	8	J
7.	UNKNOWN	8.72	4	J
8.	UNKNOWN	8.87	3	J
9.	UNKNOWN	8.98	9	J
10.	UNKNOWN	9.05	4	J
11.	UNKNOWN	9.26	4	J
12.	UNKNOWN	9.30	2	J
13.	UNKNOWN	9.35	2	J
14.	UNKNOWN	9.39	3	J
15.	UNKNOWN	9.53	7	J
16.	UNKNOWN	9.64	. 8	J
17.	UNKNOWN	9.74	3	J
18.	UNKNOWN	9.87	2	J
19.	UNKNOWN	10.08	2	J
20.	UNKNOWN	10.16	3	J
21.	UNKNOWN	10.19	5	J
22.	UNKNOWN	10.41	2	J
23.	UNKNOWN	10.43	2	J

#### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

1	
MW-13C	
1MM-13C	
[	

Lab Name: STL Buffalo Contract: \_\_\_\_\_

Lab Code: RECNY Case No.: \_\_\_\_ SDG No.: \_\_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40108

Sample wt/vol:  $\underline{1060.0}$  (g/mL)  $\underline{ML}$  Lab File ID:  $\underline{W06905.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

Number TICs found: <u>30</u> (ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 25. 26. 27. 28. 29. 30. 112-84-5	UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN BENZENE DERIVATIVE UNKNOWN AMIDE DERIVATIVE (Z)-13-DOCOSENAMIDE	10.52 10.57 10.65 11.86 12.26 15.81 16.38	2 3 2 4 2 3 63	J J J J BJN

Client No.

	·		MW-14
Lab Name: STL Buffalo	o Contract:		
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40106
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06903.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
			•

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

100-52-7Benzaldehyde	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/H		: UG/L	Q
108-95-2Phenol	100-52-7	Benzaldehvde			9	ΤT
95-57-82-Chlorophenol 9 U 95-48-72-Methylphenol 9 U 108-60-12,2'-0xybis (1-Chloropropane) 9 U 108-60-12,2'-0xybis (1-Chloropropane) 9 U 106-44-5Acetophenone 9 U 106-44-54-Methylphenol 9 U 621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 98-95-3Nitrobenzene 9 U 88-75-52-Nitrophenol 9 U 105-67-92,4-Dimethylphenol 9 U 105-67-92,4-Dimethylphenol 9 U 111-91-1Bis (2-chloroethoxy) methane 9 U 120-83-22,4-Dichlorophenol 9 U 91-20-3Naphthalene 9 U 106-47-8						1 -
95-57-82-Chlorophenol 9 U 95-48-72-Methylphenol 9 U 108-60-12,2'-0xybis (1-Chloropropane) 9 U 108-60-12,2'-0xybis (1-Chloropropane) 9 U 106-44-5Acetophenone 9 U 106-44-54-Methylphenol 9 U 621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 98-95-3Nitrobenzene 9 U 88-75-52-Nitrophenol 9 U 105-67-92,4-Dimethylphenol 9 U 105-67-92,4-Dimethylphenol 9 U 111-91-1Bis (2-chloroethoxy) methane 9 U 120-83-22,4-Dichlorophenol 9 U 91-20-3Naphthalene 9 U 106-47-8	111-44-4	Bis(2-chloroethyl) ether			9	U
108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7Nitroso-Di-n-propylamine       9       U         67-72-1					9	
108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7Nitroso-Di-n-propylamine       9       U         67-72-1					9	ט
106-44-54-Methylphenol       9       U         621-64-7Nitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3	108-60-1	2,2'-Oxybis(1-Chloropropane			9	υ
621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 78-59-1Isophorone 9 U 88-75-52-Nitrophenol 9 U 105-67-92,4-Dimethylphenol 9 U 111-91-1	98-86-2	Acetophenone	<del>*** · *** · · · · · · · · · · · · · · ·</del>		9	U
67-72-1	106-44-5	4-Methylphenol			9	ָט
98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3					9	ט
78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-8					9	ָ ט
88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3					_	<b>ט</b>
105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3Hexachlorobutadiene       9       U         105-60-2	78-59-1	Isophorone			9	ע
111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3Hexachlorobutadiene       9       U         105-60-2						ע
120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3Hexachlorobutadiene       9       U         105-60-2Caprolactam       9       U         59-50-74-Chloro-3-methylphenol       9       U         91-57-62-Methylnaphthalene       9       U         97-47-4						-
91-20-3Naphthalene       9       U         106-47-84-Chloroaniline       9       U         87-68-3Hexachlorobutadiene       9       U         105-60-2Caprolactam       9       U         59-50-74-Chloro-3-methylphenol       9       U         91-57-62-Methylnaphthalene       9       U         77-47-4Hexachlorocyclopentadiene       24       U         88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						U
106-47-84-Chloroaniline       9       U         87-68-3Hexachlorobutadiene       9       U         105-60-2Caprolactam       9       U         59-50-74-Chloro-3-methylphenol       9       U         91-57-62-Methylnaphthalene       9       U         77-47-4Hexachlorocyclopentadiene       24       U         88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						1 - 1
87-68-3						1 1
105-60-2Caprolactam       9       U         59-50-74-Chloro-3-methylphenol       9       U         91-57-62-Methylnaphthalene       9       U         77-47-4Hexachlorocyclopentadiene       24       U         88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						U
59-50-74-Chloro-3-methylphenol       9       U         91-57-62-Methylnaphthalene       9       U         77-47-4Hexachlorocyclopentadiene       24       U         88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						1 1
91-57-62-Methylnaphthalene       9       U         77-47-4Hexachlorocyclopentadiene       24       U         88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						1 " 1
77-47-4						U
88-06-22,4,6-Trichlorophenol       9       U         95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U					9	U
95-95-42,4,5-Trichlorophenol       9       U         92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U				-	24	ี บ
92-52-4Biphenyl       9       U         91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U					9	1 1
91-58-72-Chloronaphthalene       9       U         88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						1 1
88-74-42-Nitroaniline       24       U         131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U						ן ט
131-11-3Dimethyl phthalate       9       U         208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U					·=·	U
208-96-8Acenaphthylene       9       U         606-20-22,6-Dinitrotoluene       9       U					- <del>-</del>	1 "
606-20-22,6-Dinitrotoluene 9 U					_	1 - 1
					9	1 1
99-09-23-Nitroaniline 24 U					<del>-</del>	1 - 1
	99-09-2	3-Nitroaniline			24	U

Client No.

Lab Name: STL Buffal	o Contract:	_	MW-14
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40106
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06903.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
			*

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		0
		(45/2 01 45/19	<del>, <u>, , , , , , , , , , , , , , , , , , </u></del>	<del></del>
83-32-9	-Acenaphthene	1	9	U
51-28-5	-2,4-Dinitrophenol		24	ט
100-02-7	-4-Nitrophenol		24	ן ט
132-64-9	-Dibenzofuran		9	U
121-14-2	-2,4-Dinitrotoluene	· · · · · · · · · · · · · · · · · · ·	9	U
84-66-2	-Diethyl phthalate		9	U
7005-72-3	-4-Chlorophenyl phenyl ether		9	ן ט
86-73-7	-Fluorene		9	ן מן
100-01-6	-4-Nitroaniline		24	U
534-52-1	-4,6-Dinitro-2-methylphenol		24	U
86-30-6	-N-nitrosodiphenylamine		9	ו ט
	-4-Bromophenyl phenyl ether		9	ן ט
	-Hexachlorobenzene		9	ט
1912-24-9			9	U
87-86-5	-Pentachlorophenol		24	ן ט
	-Phenanthrene		9	ט ו
120-12-7	-Anthracene		9	ט ו
86-74-8	-Carbazole		9	lu l
84-74-2	-Di-n-butyl phthalate		9	U
	-Fluoranthene		9	U
129-00-0	-Pyrene		9	ן ען
	-Butyl benzyl phthalate		9	υ l
	-3,3'-Dichlorobenzidine		9	บ
	-Benzo (a) anthracene		9	ט ו
218-01-9			9	Ū
	-Bis(2-ethylhexyl) phthalate		9	Ū
	-Di-n-octyl phthalate		9	lu l
	-Benzo(b) fluoranthene		9	Ū
	-Benzo (k) fluoranthene		9	บ
	-Benzo (a) pyrene		9	ان ا
	-Indeno (1,2,3-cd) pyrene		9	U
	-Dibenzo (a, h) anthracene		9	
			•	ا     ا

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# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name:	: STL Buffalo	<u> 2</u> Ca	ontract:		MW-14
Lab Code:	RECNY C	ase No.:	SAS No.:	SDG No.:	<del>-</del>
Matrix:	(soil/water)	WATER		Lab Sample ID:	A5D40106
Sample wt	:/vol:	1060.0 (g/mL) MI	i	Lab File ID:	W06903.RR
Level:	(low/med)	TOM		Date Samp/Recv:	11/21/2005 11/23/2005
% Moistur	œ:	decanted: (Y/N)	N	Date Extracted:	11/28/2005
Concentra	ited Extract	Volume: 1000 (uL)		Date Analyzed:	12/06/2005
Injection	ı Volume:	2.00 (uL)		Dilution Factor:	:1.00
GPC Clear	nip: (Y/N) <u>1</u>	<u>V</u> pH: <u>7.0</u>			
_	CAS NO.	COMPOUND		ONCENIRATION UNITS: (ug/L or ug/Kg)	· ·
	191-24-2	Benzo(ghi)pery	lene		9 U

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# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Con	tract:		NW-14
Lab Code	: <u>RECNY</u> Case No	».:	SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>WATE</u>	<u> </u>		Lab Sample ID:	A5D40106
Sample w	:/vol: <u>1060</u> .	.0 (g/mL) <u>ML</u>		Lab File ID:	W06903.RR
Level:	(low/med) <u>LOW</u>			Date Samp/Recv:	11/21/2005 11/23/2005
% Moistu	re: decar	nted: (Y/N)	N	Date Extracted:	11/28/2005
Concentra	ated Extract Volum	ne: <u>1000</u> (1	uL)	Date Analyzed:	12/06/2005
Injection	volume: 2.00	<u>)</u> (교上)		Dilution Factor:	1.00
GPC Clear	nup: (Y/N) <u>N</u>	р <b>Н:</b>	7.0		
Number T	ICs found: 1			CONCENTRATION UNIT (ug/L or ug/Kg)	
	CAS NO.	Car	mpound Name	RT Est.	Conc. Q

CAS NO.	Compound Name	RT	Est. Conc.	Q.
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.38	. 21	BJN

Client No.

Lab Name: STL Buffal	o Contract:	<del></del>	MW-1S
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40101
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06896.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/05/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

108-95-2Phenol	9	ĮŪ	۱
111-44-4Bis(2-chloroethyl) ether	9	U	l
95-57-82-Chlorophenol	9	U	Ì
95-48-72-Methylphenol	9	U	l
108-60-12,2'-Oxybis(1-Chloropropane)	9	U	l
98-86-2Acetophenone	9	U	l
106-44-54-Methylphenol	9	υ	l
621-64-7Nitroso-Di-n-propylamine	9	U	l
67-72-1Hexachloroethane	9	U	l
98-95-3Nitrobenzene	9	U	l
78-59-1Isophorone	9	U	l
88-75-52-Nitrophenol	9	σ	l
105-67-92,4-Dimethylphenol	9	U	l
111-91-1Bis(2-chlorcethoxy) methane	9	U	l
120-83-22,4-Dichlorophenol	9	U	Į
91-20-3Naphthalene	9	ש	Į
106-47-84-Chloroaniline	9	ט	l
87-68-3Hexachlorobutadiene	9	U	l
105-60-2Caprolactam	9	U	l
59-50-74-Chloro-3-methylphenol	9	U	
91-57-62-Methylnaphthalene	9	U	
77-47-4Hexachlorocyclopentadiene	24	U	
88-06-22,4,6-Trichlorophenol	9	ט	l
95-95-42,4,5-Trichlorophenol	9	U	l
92-52-4Biphenyl_	9 .	υ	ı
91-58-72-Chloronaphthalene	9	U	ı
88-74-42-Nitroaniline	24	U	ı
131-11-3Dimethyl phthalate	9	ט	ı
208-96-8Acenaphthylene	9	U	
606-20-22,6-Dinitrotoluene	9	ט	ĺ
99-09-23-Nitroaniline	24	ט	ĺ
			4

Client No.

Lab Name: STL Buffal	o Contract:		MW-1S
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40101</u>
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06896.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/05/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

		CONCENTRATION		
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>UG/L</u>	Q
83-32-9	Acenaphthene		9	บ
	2,4-Dinitrophenol		24	υ
100-02-7	4-Nitrophenol		24	שו
	Dibenzofuran		9	Ū
121-14-2	2,4-Dinitrotoluene		9	U
84-66-2	Diethyl phthalate		9	U
7005-72-3	4-Chlorophenyl phenyl ether		9	Ū
86-73-7	Fluorene		9	lΰ
100-01-6	4-Nitroaniline		24	ט
534-52-1	4,6-Dinitro-2-methylphenol		24	U
86-30-6	N-nitrosodiphenylamine		9	U
	4-Bromophenyl phenyl ether		. 9	Ū
	Hexachlorobenzene	·····	9	U
1912-24-9			9	ן ח
87-86-5	Pentachlorophenol		24	<b>ט</b>
85-01-8	Phenanthrene		9	ט
120-12-7	Anthracene		9	ָּטוֹ
86-74-8	Carbazole		9	Ū
84-74-2	Di-n-butyl phthalate		9	Ū
	Fluoranthene	·	9	บ
129-00-0	Pyrene		9	ן ט
	Butyl benzyl phthalate		9	<u>ט</u>
	3,31-Dichlorobenzidine		9	<u>"</u>
	Benzo (a) anthracene		9	Ū
218-01-9			9	U
	Bis(2-ethylhexyl) phthalate		9	บ
	Di-n-octyl phthalate		9	ี บี
205-99-2	Benzo (b) fluoranthene		9	ט
207-08-9	Benzo(k) fluoranthene		9	ן ט
50-32-8	Benzo (a) pyrene		ģ	U I
193-39-5	Indeno (1, 2, 3-cd) pyrene		9	ט
53-70-3	Dibenzo (a, h) anthracene		9	U
<del>-</del>				

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#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Lab Name:	: STL Buffal	<u> </u>	ontract:		MW	I-1S	
Lab Code:	: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.: _	· · · · · ·		
Matrix:	(soil/water)	WATER		Lab Sample	ID: <u>A5D</u>	40101_	
Sample wt	:/vol:	<u>1060.0</u> (g/mL) M	٠ . ي	Lab File II	): <u>W06</u>	896.RR	_
Level:	(low/med)	TOM	·	Date Samp/R	Recv: <u>11/</u>	21/2005 11/	23/2005
% Moistur	æ:	decanted: (Y/N)	Ŋ	Date Extrac	ted: <u>11/</u>	28/2005	
Concentra	ated Extract	Volume: 1000 (uL)	i	Date Analyz	æd: <u>12/</u>	05/2005	
Injection	ı Volume:	2,00 (uL)		Dilution Fa	ctor:	1.00	
GPC Clear		<u>N</u> pH: <u>7.0</u>		•			
	CAS NO.	COMPOUND	•	CONCENTRATION U (ug/L or ug/Kg		Q	_
	191-24-2	Benzo(ghi)pery	vlene		9	Ū	

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# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo	Contract:		MW-1S
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40101
Sample wt/vol: $\underline{1060.0}$ (g/mL)	ML	Lab File ID:	W06896.RR
Level: (low/med) LOW		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/	N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000	(uL)	Date Analyzed:	12/05/2005
Injection Volume:2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH:	7.0	٠	
Number TICs found: <u>1</u>		CONCENTRATION UNIT (ug/L or ug/Kg)	•

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	17	BJN

Client No.

Lab Name: <u>STL Buffalo</u>	Contract:		MW-2S
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A5D40102
Sample wt/vol: <u>1060.0</u> (	g/mL) <u>ML</u>	Lab File ID:	W06897.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted	: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1	<u>1000</u> (uL)	Date Analyzed:	12/06/2005
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7	<u>7.0</u>		

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q · 100-52-7----Benzaldehyde . 9 Ŭ 108-95-2----Phenol 9 U 111-44-4----Bis(2-chloroethyl) ether 9 U 95-57-8----2-Chlorophenol 9 U 95-48-7----2-Methylphenol 9 U 108-60-1----2,2'-Oxybis(1-Chloropropane) 9 U 98-86-2----Acetophenone 9 U 106-44-5----4-Methylphenol 9 U 621-64-7----N-Nitroso-Di-n-propylamine 9 U 67-72-1-----Hexachloroethane 9 U 98-95-3----Nitrobenzene 9 U

Client No.

Lab Name: SIL Buffalo	Contract.		MW-2S
Dan Make: SIN Bullate	Contract:	<del></del>	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER ·	Lab Sample ID:	A5D40102
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06897.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	<u>2.00</u> (വ് <u>പ</u> )	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION UN		0
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>ug/l</u>	Q
83-32-9	Acenaphthene		9	U
	2,4-Dinitrophenol		24	Ū
	4-Nitrophenol		24	Ū
	Dibenzofuran		9	Ū
121-14-2	2,4-Dinitrotoluene		9	υ
84-66-2	Diethyl phthalate		9	lυ
7005-72-3	4-Chlorophenyl phenyl ether		9	שׁו
86-73-7			9	שו
100-01-6	4-Nitroaniline		24	ט
534-52-1	4,6-Dinitro-2-methylphenol		24	U
	N-nitrosodiphenylamine		9	U
	4-Bromophenyl phenyl ether		9	U
	Hexachlorobenzene		9	υ
1912-24-9	Atrazine	-	9	U
87-86-5	Pentachlorophenol		24	U
85-01-8	Phenanthrene		9	บ
120-12-7	Anthracene		9	U
86-74-8	Carbazole		9	U
84-74-2	Di-n-butyl phthalate		9	ט
	Fluoranthene		9	ט
129-00-0	Pyrene		9	U
85-68-7	Butyl benzyl phthalate		9	บ
	3,3'-Dichlorobenzidine		9	U
	Benzo (a) anthracene		9	U
218-01-9	Chrysene		9	U
117-81-7	Bis(2-ethylhexyl) phthalate		9	U
	Di-n-octyl phthalate		9	υ
	Benzo(b) fluoranthene		9	U
	Benzo (k) fluoranthene		9	U
	Benzo (a) pyrene		9	U
	Indeno (1,2,3-cd) pyrene		9	U
	Dibenzo (a, h) anthracene		9	Ū
			-	1

* 1				MW-	·2S	
Lab Name: SIL	<u> Buffalo</u>	Contract:		<u> </u>		
Lab Code: RECN	Y Case No.:	SAS No.:	SDG No.:			
Matrix: (soil/	water) <u>WATER</u>		Lab Sample	ID: <u>A5D4</u>	0102	
Sample wt/vol:	<u>1060.0</u> (g/m	L) <u>ML</u>	Lab File I	D: <u>W068</u>	97.RR	•
Level: (low/	med) <u>LOW</u>		Date Samp/	Recv: <u>11/2</u>	21/2005 11/	<sup>/</sup> 23/2005
% Moisture:	decanted:	(Y/N) <u>N</u>	Date Extra	cted: <u>11/2</u>	8/2005	
Concentrated E	xtract Volume: 100	<u>0</u> (uL)	Date Analy	zed: <u>12/0</u>	6/2005	
Injection Volu	me: 2.00 (uL)		Dilution F	actor:	1.00	
GPC Cleanup:	(Y/N) <u>N</u> pH: <u>7.0</u>					
CAS N	D. COMPOUND		CONCENTRATION (ug/L or ug/K		_ Q	
191-2	1-2Benzo (ghi	)perylene	_	9	U	].

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# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		ļ	MW-2S	-
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	 SDG No.: _			
Matrix:	(soil/water) <u>WATER</u>		Lab Samp]	le ID:	A5D40102	_
Sample w	t/vol: <u>1060.</u>	0 (g/mL) <u>ML</u>	Lab File	ID:	W06897.RR	
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv:	11/21/2005	11/23/2005
% Moistu	re: decand	ted: (Y/N) <u>N</u>	Date Extr	acted:	11/28/2005	
Concentra	ated Extract Volum	e: <u>1000</u> (uL)	Date Anal	yzed:	12/06/2005	į
Injection	n Volume:2.00	(uL)	Dilution	Factor:	1.00	
GPC Clear	nup: (Y/N) <u>N</u>	pH:7.0				•
Number Ti	ICs found: 1		ONCENIRATI (ug/L or u	_		
	CAS NO.	Compound Name	RT	Est.	Conc. C	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	23	BJN

Client No.

Lab Name: STL Buffal	Contract		MW-3
TEN NOTE: STP BITTET	o Contract:		
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40104
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06899.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: $(Y/N)$ N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
ana ai ( (-) -			•

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENTRATION			
CAS NO.	COMPOUND	(ug/L or ug/i	Kg)	UG/L	Q
100-52-7	Benzaldehyde			9	ט
108-95-2				9	Ū
111-44-4	Bis(2-chloroethyl) ether	······································		9	U
	2-Chlorophenol		4	9	ט
	2-Methylphenol			9	ן ען
	-2,2'-Oxybis(1-Chloropropane)			9	<b>ט</b>
98-86-2	Acetophenone			9	ט
106-44-5	4-Methylphenol			9	U
621-64-7	-N-Nitroso-Di-n-propylamine			9	U
	Hexachloroethane			9	Ū
98-95-3	-Nitrobenzene			9	ן ט
78-59-1	-Isophorone			9	ן ט
88-75-5	-2-Nitrophenol			9	ן ט
105-67-9	-2,4-Dimethylphenol			9	U
111-91-1	-Bis(2-chloroethoxy) methane			9	ט ו
	-2,4-Dichlorophenol			9	ט ו
91-20-3	-Naphthalene			9	U
106-47-8	-4-Chloroaniline			9	U
87-68-3	-Hexachlorobutadiene			9	lu l
105-60-2	-Caprolactam			9	U
59-50-7	-4-Chloro-3-methylphenol			9	ט
91-57-6	-2-Methylnaphthalene			9	ן ט
77-47-4	-Hexachlorocyclopentadiene			24	ן ט
88-06-2	-2,4,6-Trichlorophenol			9	ט
95-95-4	-2,4,5-Trichlorophenol			9	ט
92-52-4	-Biphenyl			9	ן ט
	-2-Chloronaphthalene			9	ט
88-74-4	-2-Nitroaniline			24	ט
131-11-3	-Dimethyl phthalate			9	Ū
208-96-8	-Acenaphthylene			9	ן ט
606-20-2	-2,6-Dinitrotoluene			9	ן ט
99-09-2	-3-Nitroaniline			24	lu l
			<u> </u>		1 1

Client No.

Lab Name: STL Buffal	o Contract:		MM-3
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40104
Sample wt/vol:	<u>1060.0</u> (g/mL) ML	Lab File ID:	W06899.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
83-32-9	-Acenaphthene		0.3	J
	-2,4-Dinitrophenol		24	បី
	-4-Nitrophenol		24	บ
132-64-9			9	ען ו
121-14-2	-2,4-Dinitrotoluene		9	ט
84-66-2	-Diethyl phthalate		9	ט
7005-72-3	-4-Chlorophenyl phenyl ether		9	U
86-73-7			9	ט
100-01-6	-4-Nitroaniline		24	υ
534-52-1	-4,6-Dinitro-2-methylphenol		24	ט
	-N-nitrosodiphenylamine		9	ן ט
101-55-3	-4-Bromophenyl phenyl ether		9	ט
	-Hexachlorobenzene		9	ט
1912-24-9	-Atrazine		9	U
	-Pentachlorophenol		24	U
85-01-8			9	ប
120-12-7	-Anthracene		9	ט
86-74-8	-Carbazole		9	ט
84-74-2	-Di-n-butyl phthalate		. 9	ט
206-44-0	-Fluoranthene		9	ט
129-00-0	-Pyrene		9	ן מן
85-68-7	-Butyl benzyl phthalate		9	ן ט
91-94-1	-3,3'-Dichlorobenzidine		9	ן ט
56-55-3	-Benzo (a) anthracene		. 9	ט
218-01-9	-Chrysene		9	U
117-81-7	-Bis(2-ethylhexyl) phthalate		9	ט
	-Di-n-octyl phthalate		9	ט ו
	-Benzo (b) fluoranthene		9	Ū
207-08-9	-Benzo (k) fluoranthene		9	U
50-32-8	Benzo (a) pyrene		9	U
	-Indeno (1, 2, 3-cd) pyrene		9	Ū
	-Dibenzo (a,h) anthracene	***	9	υ

Lab Name: STL Buffalo Contract:	MW-3
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A5D40104
Sample wt/vol: $1060.0$ (g/mL) ML	Lab File ID: W06899.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>
% Moisture: decanted: (Y/N) N	Date Extracted: <u>11/28/2005</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>12/06/2005</u>
Injection Volume: 2.00 (uL)	Dilution Factor:1.00
GPC Cleanup: (Y/N) N pH: 7.0	•
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
191-24-2Benzo (ghi) perylene_	9 U

### ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

		3		
- 1	i			

Lab Name: STL Buffalo Contract:

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: \_\_\_

Matrix: (soil/water) WATER Lab Sample ID: A5D40104

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: W06899.RR

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u>

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 11/28/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: <u>18</u> CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 2. 3. 4.	UNKNOWN UNKNOWN UNKNOWN UNKNOWN	8.73 8.86 8.96 9.17	2 2 4 4	J J J
5. 6. 7. 8. 9.	UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN	9.26 9.52 9.62 9.73 10.08 10.15	4 2 3 2 2 2	J J J J
11. 12. 13. 14. 15. 111-06-8	UNKNOWN UNKNOWN UNKNOWN UNKNOWN BUTYL ESTER HEXADECANOIC ACI	10.15 10.19 10.51 10.61 11.86 14.60	2 6 3 2 4 4	J J J J
16. 17. 123-95-5 18. 112-84-5	UNKNOWN BUTYL ESTER OCTADECANOIC ACI (Z)-13-DOCOSENAMIDE	14.64 15.24 16.38	2 3 25	J JN BJN

Client No.

			MW-3S
Lab Name: STL Buffal	o Contract:	,	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40103
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06898.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	<u>2.00</u> (นL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENTRATION UNITS:			
CAS NO.	COMPOUND	(ug/L or ug/Kg)	) <u>UG/L</u>	Q	
100-52-7	Benzaldehyde		9	บ	
108-95-2	Phenol		9	ט	
	Bis(2-chloroethyl) ether		9	ט	
95-57-8	2-Chlorophenol		9	ט	
95-48-7	2-Methylphenol		9	ט ו	
108-60-1	2,2'-Oxybis(1-Chloropropane)		9	[ט	
98-86-2	Acetophenone		9.	ט ו	
	4-Methylphenol		9	ט ו	
621-64-7	N-Nitroso-Di-n-propylamine		9	U	
	Hexachloroethane		9	ע	
	Nitrobenzene		9	υ	
78-59-1	Isophorone		9	ט ו	
88-75-5	2-Nitrophenol		9	ט	
105-67-9	2,4-Dimethylphenol		9	U	
111-91-1	Bis(2-chloroethoxy) methane		9	ן ט	
120-83-2	2,4-Dichlorophenol		9	υ	
91-20-3	Naphthalene		9	υ	
106-47-8	4-Chloroaniline		9	ע	
87-68-3	Hexachlorobutadiene		. 9	ט ו	
105-60-2	Caprolactam		9	ט	
59-50-7	4-Chloro-3-methylphenol		9	ט	
91-57-6	2-Methylnaphthalene		9	ן ט	
77-47-4	Hexachlorocyclopentadiene		24	ן מ	
88-06-2	2,4,6-Trichlorophenol		9	ט	
95-95-4	2,4,5-Trichlorophenol		9	ט ו	
92-52-4			9	U	
91-58-7	2-Chloronaphthalene		9	ט	
	2-Nitroaniline		24	Ū	
131-11-3	Dimethyl phthalate		9	Ū	
	Acenaphthylene		9	Ū	
	2,6-Dinitrotoluene		9	Ū	
	3-Nitroaniline		24	U	
ł				, 1	

Client No.

Lab Name: STL Buffal	o Contract:		MW-3S
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40103</u>
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06898.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
		-	

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.         COMPOUND         (ug/L or ug/kg)         UG/L         Q           83-32-9Acenaphthene         9         U           51-28-52,4-Dinitrophenol         24         U           100-02-74-Nitrophenol         24         U           132-64-9Dibenzofuran         9         U           121-14-22,4-Dinitrotoluene         9         U           84-66-2Diethyl phthalate         9         U           7005-72-34-Chlorophenyl phenyl ether         9         U           100-01-64-Nitroaniline         24         U           534-52-14,6-Dinitro-2-methylphenol         24         U           86-33-6N-nitrosodiphenylamine         9         U           101-55-3			CONCENTRATION UNITS:		
51-28-52,4-Dinitrophenol       24       U         100-02-74-Nitrophenol       24       U         132-64-9Dibenzofuran       9       U         121-14-22,4-Dinitrotoluene       9       U         84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bronophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
100-02-74-Nitrophenol       24       U         132-64-9Dilenzofuran       9       U         121-14-22,4-Dinitrotoluene       9       U         84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitrosodiphenyl phenyl ether       24       U         86-30-64-Romophenyl phenyl ether       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9	83-32-9			9	U
132-64-9Dibenzofuran       9       U         121-14-22,4-Dinitrotoluene       9       U         84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         84-74-2	51-28-5	2,4-Dinitrophenol		24	ט
121-14-22, 4-Dinitrotoluene 84-66-2Diethyl phthalate 9 U 7005-72-34-Chlorophenyl phenyl ether 9 U 100-01-64-Nitroaniline 24 U 100-01-64, 6-Dinitro-2-methylphenol 24 U 86-30-6N-nitrosodiphenylamine 9 U 101-55-34-Bromophenyl phenyl ether 9 U 118-74-1Hexachlorobenzene 9 U 1912-24-9Atrazine 9 U 87-86-5Pentachlorophenol 85-01-8Phenanthrene 9 U 120-12-7Anthracene 84-74-2Di-n-butyl phthalate 9 U 84-74-2Di-n-butyl phthalate 9 U 926-44-0Fluoranthene 9 U 129-00-0Pyrene 9 U 85-68-7Butyl benzyl phthalate 9 U 91-94-13, 3'-Dichlorobenzidine 9 U 91-94-13, 1-Dichlorobenzidine 9 U 91-94-1Bis (2-ethylhexyl) phthalate 9 U 117-81-7Bis (2-ethylhexyl) phthalate 9 U 120-08-9	100-02-7	4-Nitrophenol		24	ט
84-66-2Diethyl phthalate       9       U         7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7	132-64-9	Dibenzofuran		9	ט
7005-72-34-Chlorophenyl phenyl ether       9       U         86-73-7Fluorene       9       U         100-01-6	121-14-2	2,4-Dinitrotoluene		9	ប
86-73-7Fluorene       9       U         100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8	84-66-2	Diethyl phthalate		9	ប
100-01-64-Nitroaniline       24       U         534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         226-44-0	7005-72-3	4-Chlorophenyl phenyl ether		9	ប
534-52-14,6-Dinitro-2-methylphenol       24       U         86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8	86-73-7	Fluorene		9	U
86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         229-00-0Pyrene       9       U         85-68-7	100-01-6	4-Nitroaniline	<del></del> [	24	U
86-30-6N-nitrosodiphenylamine       9       U         101-55-34-Bromophenyl phenyl ether       9       U         118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         229-00-0Pyrene       9       U         85-68-7	534-52-1	4,6-Dinitro-2-methylphenol		24	ט
118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         229-00-0				9	ט
118-74-1Hexachlorobenzene       9       U         1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         229-00-0	101-55-3	4-Bromophenyl phenyl ether		9	ט
1912-24-9Atrazine       9       U         87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0					ט
87-86-5Pentachlorophenol       24       U         85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0	1912-24-9	Atrazine			3
85-01-8Phenanthrene       9       U         120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5	87-86-5	Pentachlorophenol		24	
120-12-7Anthracene       9       U         86-74-8Carbazole       9       U         84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U				9	
84-74-2Di-n-butyl phthalate       9       U         206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1,2,3-cd) pyrene       9       U	120-12-7	Anthracene			ט
206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Benzo (b) fluoranthene       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U	86-74-8	Carbazole		9	U
206-44-0Fluoranthene       9       U         129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Benzo (b) fluoranthene       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U	84-74-2	Di-n-butyl phthalate		9	U
129-00-0Pyrene       9       U         85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Benzo (b) fluoranthene       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U					U
85-68-7Butyl benzyl phthalate       9       U         91-94-13,3'-Dichlorobenzidine       9       U         56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1,2,3-cd) pyrene       9       U	129-00-0	Pyrene			U
91-94-13,3'-Dichlorobenzidine 9 U 56-55-3Benzo(a) anthracene 9 U 218-01-9Chrysene 9 U 117-81-7Bis(2-ethylhexyl) phthalate 9 U 117-84-0Di-n-octyl phthalate 9 U 205-99-2Benzo(b) fluoranthene 9 U 207-08-9Benzo(k) fluoranthene 9 U 50-32-8Benzo(a) pyrene 9 U 193-39-5Indeno(1,2,3-cd) pyrene 9 U				9	ט
56-55-3Benzo (a) anthracene       9       U         218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U					lυ
218-01-9Chrysene       9       U         117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U					lυ
117-81-7Bis (2-ethylhexyl) phthalate       9       U         117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U					U
117-84-0Di-n-octyl phthalate       9       U         205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1,2,3-cd) pyrene       9       U			· · · · · · · · · · · · · · · · · · ·		1
205-99-2Benzo (b) fluoranthene       9       U         207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1, 2, 3-cd) pyrene       9       U					I -
207-08-9Benzo (k) fluoranthene       9       U         50-32-8Benzo (a) pyrene       9       U         193-39-5Indeno (1,2,3-cd) pyrene       9       U					1
50-32-8Benzo (a) pyrene 9 U 193-39-5Indeno (1, 2, 3-cd) pyrene 9 U					1 -
193-39-5Indeno(1,2,3-cd)pyrene 9 U					1 -
					1 -

				·	MW-3S	
Lab Name:	STL Buffal	<u>o</u>	Contract:	<del></del>		
Lab Code:	<u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:		
Matrix: (s	soil/water)	WATER		Lab Sample ID	<u>A5D40103</u>	
Sample wt/	vol:	1060.0 (g/mL)	<u>wr</u>	Lab File ID:	W06898.RR	
Level: (	(low/med)	LOW		Date Samp/Rec	v: <u>11/21/2005</u>	11/23/2005
% Moisture	<b>:</b>	decanted: (Y/	n) <u>n</u>	Date Extracte	d: <u>11/28/2005</u>	
Concentrate	ed Extract	Volume: 1000 (u	L)	Date Analyzed	: 12/06/2005	
Injection	Volume:	2.00 (uL)		Dilution Fact	or: <u>1.00</u>	
GPC Cleanu	p: (Y/N)	<u>N</u> pH: _7.0				
	AS NO.	COMPOUND		CONCENTRATION UNI (ug/L or ug/Kg)	<b>-</b>	Q.
1:	.91-24-2	Benzo (ghi) pe	rylene		9 U	

# ASP 2000 - MEIHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Lab Name: <u>STL Buffal</u>	o Contract:	.' !	MW-3S
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER 1	Lab Sample ID:	A5D40103
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06898.RR
Level: (low/med)	TOM	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) <u>N</u>	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

Number TICs found: 3

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
_	UNKNOWN AMIDE DERIVATIVE	11.60	3	J
	2-METHYL BENZENESULFONAMIDE	11.99	22	JN
	UNKNOWN AMIDE DERIVATIVE	16.38	18	BJ

Client No.

Lab Name: STL Buffal	o Contract:		MW-5
		<del>_</del>	
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40110</u>
Sample wt/vol:	<u>1060.0</u> (g/mL) <u>ML</u>	Lab File ID:	W06907.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: $(Y/N)$ $N$	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
	•		•

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/	~	: <u>ug/l</u>	Q
100-52-7	Benzaldehyde		<u> </u>	9	U .
108-95-2			l	9	ט
111-44-4	-Bis(2-chloroethyl) ether		]	9	ן מ
95-57-8	-2-Chlorophenol		İ	9	ן ט
95-48-7	-2-Methylphenol	<u> </u>	<u> </u>	9	ט ט
	-2,2'-Oxybis(1-Chloropropane)			9	<u>ט</u>
98-86-2	-Acetophenone		İ	9	Ū
	-4-Methylphenol			9	Ū
	-N-Nitroso-Di-n-propylamine			9	Ū
	-Hexachloroethane			9	Ū
	-Nitrobenzene			9	Ŭ
78-59-1	-Isophorone			9	Ū
	-2-Nitrophenol			9	lü l
105-67-9	-2,4-Dimethylphenol			9	ן ט
	-Bis(2-chloroethoxy) methane			9	ן ט
	-2,4-Dichlorophenol	•		9	Ū
91-20-3				.9	ט
106-47-8	-4-Chloroaniline			9	Ū
	-Hexachlorobutadiene			9	Ū
105-60-2	-Caprolactam			9	<u>ט</u>
59-50-7	-4-Chloro-3-methylphenol			9.	Ū
	-2-Methylnaphthalene			9	Ū
77-47-4	-Hexachlorocyclopentadiene			24	Ū
88-06-2	-2,4,6-Trichlorophenol			9	U
95-95-4	-2,4,5-Trichlorophenol			9	Ū
92-52-4				9	Ū
91-58-7	-2-Chloronaphthalene			9	U
	-2-Nitroaniline			24	υ
131-11-3	-Dimethyl phthalate			9	Ū
	-Acenaphthylene			9	U
	-2,6-Dinitrotoluene			9	Ū
99-09-2	-3-Nitroaniline			24	Ü

Client No.

Lab Name: STL Buffal	o Contract:		MW-5
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>A5D40110</u>
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06907.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/22/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	_2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N)  $\underline{N}$  pH:  $\underline{7.0}$ 

83-32-9Acenaphthene       9       U         51-28-52,4-Dinitrophenol       24       U         100-02-74-Nitrophenol       24       U         132-64-9Dibenzofuran       9       U	
51-28-52,4-Dinitrophenol       24       U         100-02-74-Nitrophenol       24       U         132-64-9Dibenzofuran       9       U	
100-02-74-Nitrophenol   24 U   132-64-9Dibenzofuran   9 U	
132-64-9Dibenzofuran 9 U	
121-14-22,4-Dinitrotoluene	
	ļ
	- 1
534-52-14,6-Dinitro-2-methylphenol 24 U	-
86-30-6N-nitrosodiphenylamine 9	.
101-55-34-Bromophenyl phenyl ether 9	·
118-74-1Hexachlorobenzene 9 U	
1912-24-9Atrazine 9 U	-
87-86-5Pentachlorophenol	
85-01-8Phenanthrene 0.3 J	1
120-12-7Anthracene 9 U	-
86-74-8Carbazole 9 U	
84-74-2Di-n-butyl phthalate 9 U	I
206-44-0Fluoranthene 9 U	ĺ
129-00-0Pyrene 9 U	- 1
85-68-7Butyl benzyl phthalate 9	
91-94-13,3'-Dichlorobenzidine 9 U	
56-55-3Benzo (a) anthracene	
218-01-9Chrysene 9 U	- 1
117-81-7Bis(2-ethylhexyl) phthalate 9 U	
117-84-0Di-n-octyl phthalate 9 U	
205-99-2Benzo (b) fluoranthene 9 U	
207-08-9Benzo(k) fluoranthene 9 U	
50-32-8Benzo(a) pyrene 9 U	
193-39-5Indeno(1,2,3-cd)pyrene 9 U	
53-70-3Dibenzo (a, h) anthracene 9 U	

Lab Name:	: STL Buffal	<u>Lo</u> Coi	ntract.		MW-5		
		<u></u>		<del></del>			
Lab Code:	: <u>RECNY</u> C	lase No.:	SAS No.:	SDG No.:	•		
Matrix:	(soil/water)	WATER		Lab Sample ID:	A5D40110		
Sample wt	:/vol:	1060.0 (g/mL) ML		Lab File ID:	W06907.RF	2	
Level:	(low/med)	LOW		Date Samp/Recv:	11/22/200	)5 <u>11/2</u>	3/2005
% Moistur	æ:	decanted: (Y/N)	N	Date Extracted:	11/28/200	<u>)5</u>	
Concentra	ated Extract	: Volume: 1000 (uL)		Date Analyzed:	12/06/200	<u>)5</u>	
Injection	n Volume:			Dilution Factor:	1.00		
GPC Clear	rup: (Y/N)	N pH: 7.0					
	CAC NO			CENTRATION UNITS:		•	
,	CAS IV.	COMPOUND	(L	ıg/L or ug/Kg)	<u> </u>	Q 	
	191-24-2	Benzo(ghi)peryl	lene		9	U	

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Contract:		MM-5
Lab Code	: <u>RECNY</u> Case No	o.: SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>WATER</u>	2	Lab Sample II	D: <u>A5D40110</u>
Sample w	t/vol: <u>1060.</u>	0 (g/mL) <u>ML</u>	Lab File ID:	W06907.RR
Level:	(low/med) <u>LOW</u>		Date Samp/Red	cv: <u>11/22/2005</u> <u>11/23/2005</u>
% Moistu	re: decan	ited: (Y/N) N	Date Extracte	ed: <u>11/28/2005</u>
Concentra	ated Extract Volum	e: <u>1000</u> (uL)	Date Analyze	i: <u>12/06/2005</u>
Injection	n Volume:2.00	(uL)	Dilution Fact	tor: <u>1.00</u>
GPC Clear	nup: (Y/N) <u>N</u>	pH: <u>7.0</u>		÷
Number T	ICs found: <u>1</u>		CONCENTRATION (ug/L or ug/Kg	
	CAS NO.	Compound Name	RT Es	st. Conc. O

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 112-84-5	(Z)-13-DOCOSENAMIDE	16.39	32	BJN

Client No.

Lab Name: STL Buffal	o Contract:		MW-7
Lab Code: <u>RECNY</u> C	ase No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40105
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06902.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00
	•	•	

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.         CCMPOUND         (ug/L or ug/Kg)         UG/L         Q           100-52-7Benzaldehyde         9         U           108-95-2Phenol         9         U           111-44-4Bis (2-chloroethyl) ether         9         U           95-57-82-Chlorophenol         9         U           95-48-72-Methylphenol         9         U           108-60-12,2'-Oxybis (1-Chloropropane)         9         U           98-86-2Acetophenone         9         U           106-44-5Acetophenone         9         U           621-64-7N-Nitroso-Di-n-propylamine         9         U           67-72-1	
108-95-2Phenol       9       U         111-44-4Bis (2-chloroethyl) ether       9       U         95-57-82-Chlorophenol       9       U         95-48-72-Methylphenol       9       U         108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7N-Nitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52, 4-Dimethylphenol       9       U         105-67-92, 4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-2Naphthalene       9       U	5
108-95-2Phenol       9       U         111-44-4Bis (2-chloroethyl) ether       9       U         95-57-82-Chlorophenol       9       U         95-48-72-Methylphenol       9       U         108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7N-Nitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52, 4-Dimethylphenol       9       U         105-67-92, 4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-2Naphthalene       9       U	
111-44-4Bis (2-chloroethyl) ether       9       U         95-57-82-Chlorophenol       9       U         95-48-72-Methylphenol       9       U         108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7Nhitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52, 4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22, 4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
95-57-82-Chlorophenol 9 U 95-48-72-Methylphenol 9 U 108-60-12,2'-Oxybis(1-Chloropropane) 9 U 98-86-2Acetophenone 9 U 106-44-54-Methylphenol 9 U 621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 78-59-1Isophorone 9 U 88-75-52-Nitrophenol 9 U 105-67-92,4-Dimethylphenol 9 U 111-91-1Bis(2-chloroethoxy) methane 9 U 91-20-3Naphthalene 9 U	
95-48-72-Methylphenol 9 U 108-60-12,2'-Oxybis (1-Chloropropane) 9 U 98-86-2Acetophenone 9 U 106-44-54-Methylphenol 9 U 621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 78-59-1Isophorone 9 U 88-75-52-Nitrophenol 9 U 105-67-92,4-Dimethylphenol 9 U 111-91-1Bis (2-chloroethoxy) methane 9 U 91-20-3Naphthalene 9 U	1
108-60-12,2'-Oxybis (1-Chloropropane)       9       U         98-86-2Acetophenone       9       U         106-44-54-Methylphenol       9       U         621-64-7N-Nitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy)       methane       9         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
98-86-2Acetophenone 106-44-5A-Methylphenol 621-64-7N-Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 9 U 98-95-3Nitrobenzene 9 U 78-59-1Isophorone 9 U 88-75-52-Nitrophenol 105-67-92,4-Dimethylphenol 9 U 111-91-1Bis (2-chloroethoxy) methane 120-83-22,4-Dichlorophenol 9 U 91-20-3Naphthalene	
106-44-54-Methylphenol       9       U         621-64-7N-Nitroso-Di-n-propylamine       9       U         67-72-1Hexachloroethane       9       U         98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
621-64-7Nitroso-Di-n-propylamine 9 U 67-72-1Hexachloroethane 98-95-3Nitrobenzene 98-95-3Isophorone 99 U 88-75-5	Į
67-72-1	
98-95-3Nitrobenzene       9       U         78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	1
78-59-1Isophorone       9       U         88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
88-75-52-Nitrophenol       9       U         105-67-92,4-Dimethylphenol       9       U         111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
105-67-92,4-Dimethylphenol   9   U   111-91-1Bis (2-chloroethoxy) methane   9   U   120-83-22,4-Dichlorophenol   9   U   91-20-3Naphthalene   9   U	
111-91-1Bis (2-chloroethoxy) methane       9       U         120-83-22,4-Dichlorophenol       9       U         91-20-3Naphthalene       9       U	
120-83-22,4-Dichlorophenol	1
91-20-3Naphthalene 9 U	- 1
305 45 0 131	
106-47-84-Chloroaniline	
87-68-3Hexachlorobutadiene	ļ
105-60-2Caprolactam 9 U	
59-50-79 U	
91-57-69	1
77-47-4Hexachlorocyclopentadiene 24 U	
88-06-22,4,6-Trichlorophenol 9 U	l
95-95-42,4,5-Trichlorophenol 9 U	-
92-52-4Biphenyl 9 U	
91-58-79 U	
88-74-42-Nitroaniline 24 [I]	
131-11-3Dimethyl phthalate	Ì
208-96-8Acenaphthylene 9 U	
606-20-22,6-Dinitrotoluene 9 U	
99-09-23-Nitroaniline 24 U	

Client No.

Lab Name: STL Buffal	Contract:	_	MW- 7
Lab Code: <u>RECNY</u> C	ase No.: SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER	Lab Sample ID:	A5D40105
Sample wt/vol:	1060.0 (g/mL) ML	Lab File ID:	W06902.RR
Level: (low/med)	LOW	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture:	decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract	Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:	2.00 (uL)	Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENIRATION UN		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
83-32-9	Acenaphthene		9	U
	2,4-Dinitrophenol		24	ับ
100-02-7	4-Nitrophenol		24	ט
132~64-9	Dibenzofuran		9	υ
121-14-2	2,4-Dinitrotoluene		9	ט
84-66-2	Diethyl phthalate		9	U
7005-72-3	4-Chlorophenyl phenyl ether		9	ប
86-73-7			9	บ
100-01-6	-4-Nitroaniline		24	U
534-52-1	4,6-Dinitro-2-methylphenol		24	U
	N-nitrosodiphenylamine		9	ט
101-55-3	4-Bromophenyl phenyl ether		9	U
118-74-1	Hexachlorobenzene		9	ט
1912-24-9	Atrazine		9	ט
87-86-5	-Pentachlorophenol		24	U
85-01-8	Phenanthrene		9	U
120-12-7	Anthracene		9	U
86-74-8			· 9	U
	-Di-n-butyl phthalate	<u> </u>	9	U
	Fluoranthene		9	บ
129-00-0	Pyrene		9	U
	-Butyl benzyl phthalate		9	U
	-3,3'-Dichlorobenzidine		9	U
56-55-3	-Benzo (a) anthracene		9	U
218-01-9	-Chrysene		9	ט
	-Bis(2-ethylhexyl) phthalate		9	U
117-84-0	-Di-n-octyl phthalate		9	U
205-99-2	-Benzo(b) fluoranthene		9	U
207-08-9	-Benzo(k)fluoranthene		9	U
	-Benzo (a) pyrene		9	U
193-39-5	-Indeno(1,2,3-cd)pyrene		9	[U ]
53-70-3	-Dibenzo (a, h) anthracene		9	ט

Lab Name:	STL Buffalo	<u>o</u> (	Contract:			MW-7		
Lab Code:	<u>RECNY</u> C	ase No.:	SAS No.:	_ SDG No.:				
Matrix: (	soil/water)	WATER		Lab Sample	e ID:	A5D40105		
Sample wt	/vol:	1060.0 (g/mL) M	<u>L</u> .	Lab File 1	D:	W06902.R	3	
Level:	(low/med)	LOW		Date Samp,	Recv:	11/21/20	05 11/2	23/2005
% Moisture	e:	decanted: (Y/N	ı) <u>N</u>	Date Extra	acted:	11/28/200	<u>05</u>	
Concentra	ted Extract	Volume: 1000 (uI	· ,	Date Analy	zed:	12/06/200	<u>05</u>	
Injection	Volume:	2.00 (uL)		Dilution H	actor:	1.00		
GPC Cleans	rip: (Y/N) i	<u> </u>		•				
(	CAS NO.	COMPOUND		CONCENTRATION (ug/L or ug/l			Q	
	191-24-2	Benzo(ghi)per	ylene			9	ប	

#### 99/1061

# ASP 2000 - MEIHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

•	•	MW-7
Lab Name: STL Buffalo Contract:	<del></del>	<u></u>
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) WATER	Lab Sample ID:	A5D40105
Sample wt/vol: 1060.0 (g/mL) ML	Lab File ID:	W06902.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	11/21/2005 11/23/2005
% Moisture: decanted: (Y/N) N	Date Extracted:	11/28/2005
Concentrated Extract Volume: 1000 (uL)	Date Analyzed:	12/06/2005
Injection Volume:2.00 (uL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 7.0	•	
Number TICs found: _3	CONCENTRATION UNIT (ug/L or ug/Kg)	<del></del>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 111-06-8	BUTYL ESTER HEXADECANOIC ACI	14.59		JN
2. 123-95-5	BUTYL ESTER OCTADECANOIC ACI	15.24		JN
3. 112-84-5	(Z)-13-DOCOSENAMIDE	16.37		BJN

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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.		
MW-1			-

Contract: CN04-015

Lab Code: STLBFLO

STLBFLO Case No.:

SAS No.:

SDG NO.:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567958

Level (low/med):

TOM

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	2.7	В	<del></del>	P
7439-92-1	Lead	2.4	B	1100	P
7782-49-2	Selenium	6.7	U		i P
7440-66-6	Zinc	7,5	B		T P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE	
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	•	
Comments:						
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE 1	0.	
MW-10		

Contract:	CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567956

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium .	0.39	<u>ט</u>		P
7440-47-3	Chromium	3.5	В		P
7439-92-1	Lead	1.8	ט		P
7782-49-2	Selenium	6.7	ע		P
7440-66-6	Zinc	143	ī		₽

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					

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#### INORGANIC ANALYSIS DATA SHEET

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MW-13	

Contract: C

Lab Code:

CN04-015

STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567954

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	м
7440-43-9	Cadmium	0.39	บ		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	3.4			P
7782-49-2	Selenium	6.7	ש		P
7440-66-6	Zinc	4.8	B		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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INORGANIC	ANALYSIS	DATA	SHEET
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SAMPLE	ю.		
MW-13C			

Contract:	CNO A OSE
COMPTACE:	CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567955

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	c	Q	м
7440-43-9	Cadmium	-0.39	U .		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	6.6			P
7782-49-2	Selenium	6.7	שׁ		P
7440-66-6	Zinc	8.7	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
MW-14		 

Contract: CN04-015	Contract:	CN04-015
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Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567953

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	м
7440-43-9	Cadmium	0.39	ט	-	P
7440-47-3	Chromium	0.58	υ		P
7439-92-1	Lead	1.8	ע		P
7782-49-2	Selenium	6.7	שן		P
7440-66-6	Zinc	1.6	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

SAMPLE	NO.	
MW-1S		

Contract:

CN04-015

Lab Code:

STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567948

Level (low/med):

LOW

Date Received:

11/23/2005

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	ט		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	U		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	4.2	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:	w				

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#### INORGANIC ANALYSIS DATA SHEET

Denge mg	HO.
MW-2S	

Contract: CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567949

Level (low/med):

LOW

Date Received:

11/23/2005

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9	Cadmium	0.42	В		P
7440-47-3	Chromium	2.1	В		P
7439-92-1	Lead	1.8	υ		<b>P</b> .
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	1.2	U		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

SAMPL	E NO.	
	~~~	
MW-3		

Contract:	CN04-015
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Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO .:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567951

Level (low/med):

LOW

Date Received:

11/23/2005

CAS No.	Analyte	Concentration	c	Q	М
7440-43-9	Cadmium	0.39	U	<del></del>	P
7440-47-3	Chromium	0.88	В		P
7439-92-1	Lead	7.9			P
7782-49-2	Selenium	6.7	[ប ]		₽
7440-66-6	Zinc	82.3			P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

			SAMPLE NO.	
			MW-3s	
Contract:	CN04-015			ل
Lab Code:	STLBFLO Case No.:	SAS No.:	SDG NO.: A05-D401	
Matrix (soi	1/water): WATER	Lab Sample ID:	AD567950	
Level (low/	med): LOW	Date Received:	11/23/2005	

CAS No.	Analyte	Concentration	С	Q	М
7440-43-9	Cadmium	0.39	ט		P
7440-47-3	Chromium	0.58	U	· · · · · · · · · · · · · · · · · · ·	P
7439-92-1	Lead	1.8	[ט]		P
7782-49-2	Selenium	6.7	U		P
7440-66-6	Zinc	2.7	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

NO.

Contract	:	CN04
COHCLACE		CNU4

CN04-015

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05~D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567957

103-D401

Level (low/med):

LOW

Date Received:

11/23/2005

CAS No.	Analyte	Concentration	C	Ď	м
7440-43-9	Cadmium	0.39	บ		P
7440-47-3	Chromium	2.1	В		P
7439-92-1	Lead	1.8	B		P
7782-49-2	Selenium	6.7	บ		P
7440-66-6	Zinc	11.9	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	****
Comments:					
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#### INORGANIC ANALYSIS DATA SHEET

	SAMPLE	NO.	
ſ	MW-7		

Contract:	CN04-015
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Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.:

A05-D401

Matrix (soil/water):

WATER

Lab Sample ID:

AD567952

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Level (low/med):

LOW

Date Received:

11/23/2005

CAS No.	Analyte	Concentration	С	Q	м
7440-43-9	Cadmium	0.39	U		P
7440-47-3	Chromium	0.58	U		P
7439-92-1	Lead	1.8	ប		P
7782-49-2	Selenium	6.7	ט		P
7440-66-6	Zinc	4.8	В		P

Color Before:	COLORLESS	Clarity Before:	CLEAR	Texture:	NONE
Color After:	COLORLESS	Clarity After:	CLEAR	Artifacts:	
Comments:					
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111/1061

Client Sample No.

MW-1 Contract: \_\_\_\_\_ Lab Name: STL Buffalo Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): WATER Lab Sample ID: A5D40111 % Solids: Date Samp/Recv: <u>11/22/2005</u> <u>11/23/2005</u> 0.0 Units of Method Analyzed Parameter Name Measure C M Number Date Result Q 420.2 11/25/2005 Total Recoverable Phenolics MG/L 0.017 Comments:

### 112/1061

Lab Name: STL Buffalo	Contract					MW-10	
Lab Code: RECNY Case No.:				<del></del>	į	SDG No.:	·
Matrix (soil/water): WATER		Lab Samp	ple	e ID:	<u>A51</u>	D40109	
% Solids: 0.0		Date Sar	np/	/Recv:	<u>11</u>	/22/2005 <u>11</u>	/23/2005
Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	Ū			420.2	11/25/2005
Comments:							

113/1061

Lab Name: STL Buffalo	Contract	:				MW-13	ann ann an air air air an an an an an an an an an an an an an
Lab Code: <u>RECNY</u> Case I		•		<del></del>	,	SDG No.: _	
Matrix (soil/water): WATER		Lab Samp	ol∈	D:	<u>A5</u>	D40107	
% Solids: <u>0.0</u>		Date Sar	np/	'Recv:	11	<u>/22/2005</u> <u>1</u>	1/23/2005
Parameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	ט			420.2	11/25/2005
Comments:							

#### 114/1061

Wet Chemistry Analysis

Lab Name: STL Buffalo	Contract	•				MW-13C	
Lab Code: <u>RECNY</u> Case No.;		:		-	i	SDG No.: _	-
Matrix (soil/water): WATER		Lab Sam	ole	e ID:	<u>A5</u>	D40108	
% Solids: 0.0		Date Sar	ηp/	'Recv:	<u>11</u>	<u>/22/2005</u> . <u>11</u>	L/23/200 <u>5</u>
Parameter Name	Units of Measure	Result	С	Q	M	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	U			420.2	11/25/2005
Comments:							

119/1061

Lab Name: SIL Buffa	Name: STL Buffalo Contract:							
Lab Code: <u>RECNY</u>	Case No.:	SAS No.	:			i	SDG No.: _	
Matrix (soil/water)	: <u>WATER</u>		Lab Samp	ρle	e ID:	<u>A5</u>	D40103	
% Solids:	0.0		Date Sar	ηp/	'Recv:	11	/21/2005 11	L/23/2005
Par	ameter Name	Units of Measure	Result	C	Q	М	Method Number	Analyzed Date
Total Recoverable	Phenolics_	MG/L	0.010	U			420.2	11/25/2005
Comments:	·					·		
		· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	

### 120/1061

					ľ	∕W-5	
Lab Name: <u>STL Buffalo</u>	Contract:			<del></del>	L-		
Lab Code: RECNY Case No.:	SAS No.:				Ş	SDG No.:	
Matrix (soil/water): WATER		Lab Samp	ole	D:	<u>A51</u>	040110	
% Solids: <u>0.0</u>		Date San	np/	Recv:	11,	/22/2005 <u>11</u>	/23/2005
1	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Total Recoverable Phenolics	MG/L	0.010	ט			420.2	11/25/2005
Comments:							

#### 121/1061

Client Sample No.

MW-7 Lab Name: STL Buffalo Contract: Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix (soil/water): WATER Lab Sample ID: A5D40105 % Solids: 0.0 Date Samp/Recv: <u>11/21/2005</u> <u>11/23/2005</u> Units of Method Analyzed Parameter Name C Measure Result М Q Number Date Total Recoverable Phenolics MG/L 0.010 U 11/25/2005 420.2 Comments:

Chain Of Custody Documentation

### Chain of Custody Record



STL-4124 (0901) Client Mark Schumacher Environmental Consultant Address Lab Number 445-0224/315-445-0793 City State Zip Code Site Contact Lab Contact Analysis (Attach list if Same 13214 )gracus Carrier/Waybill Number 54065 CONTO PEN CYTON DE CONTRACT/Purchase Order/Quote No. Special Instructions/ જ Conditions of Receipt Containers & Matrix 03111025P **Preservatives** Sample I.D. No. and Description (Containers for each sample may be combined on one line) Date Time 11/21/05 ψ kllost 150 1630 440 440 30 Possible Hazard Identification (A fee may be assessed if samples are retained Soisposal By Lab ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B Unknown Return To Client Archive For \_\_ Months longer than 1 month) Turn Around Time Required OC Requirements (Specify) 21 Days 24 Hours 48 Hours 7 Days 14 Days Other 1. Relinquished By 1. Received 2. Relinquisped By Time 1800 3. Relinquished By 3. Received By Comments

APR 1 5 2003

STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: A06-3558

SIL Project#: NY4A9341

Site Name: <u>Delta Environmental Consultants</u>, <u>Inc.</u> Task: Cooper site

Mark Schumacher Delta Environmental 104 Jamesville Rd. Syracuse, NY 13214

STL Buffalo

Brian J. Fischer Project Manager

04/13/2006

## STL Buffalo Current Certifications

### As of 12/28/2005

STATE	Program	Cert # / Lab ID
	AFCEE	
AFCEE	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
Arkansas	NELAP CWA, RCRA	01169CA
California	SDWA, CWA, RCRA, SOIL	PH-0568
Connecticut	NELAP CWA, RCRA	E87672
<u>Florida</u>	SDWA	956
Georgia	NELAP SDWA, CWA, RCRA	200003
<u> Illinois</u>	SW/CS	374
lowa	NELAP SDWA, CWA, RCRA	E-10187
Kansas	SDWA	90029
Kentucky	UST	30
Kentucky UST	NELAP CWA, RCRA	2031
Louisiana		NY044
Maine	SDWA, CWA	294
Maryland	SDWA	M-NY044
Massachusetts	SDWA, CWA	9937
Michigan	SDWA	036-999-337
Minnesota	SDWA,CWA, RCRA	233701
New Hampshire	NELAP SDWA, CWA	NY455
New Jersey	SDWA, CWA, RCRA, CLP	10026
New York	NELAP, AIR, SDWA, CWA, RCRA	9421
Oklahoma	CWA, RCRA	68-281
Pennsylvania	Env. Lab Reg.	91013
South Carolina	RCRA	02970
Tennessee	SDWA	02910
USACE	USACE	S-41579
USDA	FOREIGN SOIL PERMIT	DOECAP-STB
USDOE	Department of Energy	
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

#### SAMPLE SUMMARY

				SAMPI	LED	RECEIV	SD C
LAB SAMPLE ID	CLIENT	SAMPLE	MATRIX		TIME		TIME
A6355801	MW-1		WATER	04/04/2006	10:00	04/05/2006	08:45

#### METHODS SUMMARY

Job#: <u>A06-3558</u>

SIL Project#: <u>NY4A9341</u> Site Name: <u>Delta Environmental Consultants, Inc.</u>

PARAMETER	ANALYTICAL METHOD
ASP 2000 - METHOD 8270 SEMIVOLATILES	ASP00 8270
Total Recoverable Phenolics	ASP00 420.2

"Analytical Services Protocol", New York State Department of Conservation, ASP00 June 2000.

#### NON-CONFORMANCE SUMMARY

Job#: <u>A06-3558</u>

STL Project#: NY4A9341

Site Name: Delta Environmental Consultants, Inc.

#### General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

#### Sample Receipt Comments

#### A06-3558

Sample Cooler(s) were received at the following temperature(s);  $2.0\ ^{\circ}$ C All samples were received in good condition.

#### GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

#### Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer Project Manager

4-14-06

Date



#### DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

#### ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GCMS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for lentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroctor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- i Indicates coelution
- Indicates analysis is not within the quality control limits.

#### INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

# ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

		,	MW-1
Lab Name: <u>STL Buffalo</u>	Contract:	<del>_</del>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) WATER		Lab Sample ID:	A6355801
Sample wt/vol: <u>1055.0</u> (g/mL)	<u>ML</u>	Lab File ID:	X08050.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	04/04/2006 04/05/2006
% Moisture: decanted: (Y/	/n) <u>n</u>	Date Extracted:	04/07/2006
Concentrated Extract Volume: 1000 (	ıL)	Date Analyzed:	04/10/2006
Injection Volume: 2.00 (uL)		Dilution Factor:	1.00
GPC Cleanup: (Y/N) N pH: 6.0		•	

		CONCENTRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	) <u>UG/L</u>	Q
100-52-7	Benzaldehyde		9	U
108-95-2			9	U
111-44-4	Bis(2-chloroethyl) ether		9	U
	2-Chlorophenol		9	ט
	2-Methylphenol		9	U
	2,2'-Oxybis(1-Chloropropane)		9	ប
	Acetophenone		9	ប
106-44-5	4-Methylphenol		9	ש
621-64-7	-N-Nitroso-Di-n-propylamine		9	U
67-72-1	Hexachloroethane		9	U
98-95-3	Nitrobenzene		9	υ
78-59-1	Isophorone		9	U
88-75-5	2-Nitrophenol		9	Ū
105-67-9	2,4-Dimethylphenol		9	U
111-91-1	Bis(2-chloroethoxy) methane		9	U
120-83-2	2,4-Dichlorophenol		9	Ŭ
91-20-3	Naphthalene		9	Ū
	4-Chloroaniline		9	U
87-68-3	Hexachlorobutadiene		9	U
105-60-2	Caprolactam		9	U
59-50-7	4-Chloro-3-methylphenol		9	U
91-57-6	2-Methylnaphthalene		2	J
77-47-4	Hexachlorocyclopentadiene		24	U
88-06-2	2,4,6-Trichlorophenol		9.	ប
95-95-4	-2,4,5-Trichlorophenol		9	U
92-52-4	-Biphenyl		9	U
91-58-7	-2-Chloronaphthalene		9	U
88-74-4	-2-Nitroaniline		24	U
131-11-3	-Dimethyl phthalate		9	ប
	-Acenaphthylene	_	9	U
	-2,6-Dinitrotoluene		9	Ŭ
	-3-Nitroaniline		24	U

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

Lab Name: STL Buffal		Contract:		MW-1
THE ROOM DID DULLER	<del>≅</del>	CONCLUCE.	<del></del>	
Lab Code: <u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:	
Matrix: (soil/water)	WATER		Lab Sample ID:	A6355801
Sample wt/vol:	<u>1055.0</u> (g/mL)	<u>ML</u>	Lab File ID:	X08050.RR
Level: (low/med)	LOW		Date Samp/Recv:	04/04/2006 04/05/2006
% Moisture:	decanted: (Y/	<b>м</b> ) й	Date Extracted:	04/07/2006
Concentrated Extract	Volume: 1000 (u	ъъ)	Date Analyzed:	04/10/2006
Injection Volume:	2.00 (uL)		Dilution Factor:	1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	TS: <u>UG/L</u>	Q
83-32-9Acenaphthene		9	U
51-28-52,4-Dinitrophenol_		24	ט
100-02-74-Nitrophenol		24	.]บ
132-64-9Dibenzofuran		9	υ
121-14-22,4-Dinitrotoluene		9	U
84-66-2Diethyl phthalate		9	U
7005-72-34-Chlorophenyl phenyl et	ther	9	U
86-73-7Fluorene		9	U
100-01-64-Nitroaniline		24	U
534-52-14,6-Dinitro-2-methylpher	nol	24	U
86-30-6N-nitrosodiphenylamine		9	U
101-55-34-Bromophenyl phenyl ett	ner	9	U
118-74-1Hexachlorobenzene	-	9	U
1912-24-9Atrazine		9	U
87-86-5Pentachlorophenol		24	υ
85-01-8Phenanthrene		9	U
120-12-7Anthracene		9	U
86-74-8Carbazole		9	U
84-74-2Di-n-butyl phthalate		9	U
206-44-0Fluoranthene		9	U
129-00-0Pyrene		9	ไบ
85-68-7Butyl benzyl phthalate		9	[ប
91-94-13,3'-Dichlorobenzidine		9	[ប
56-55-3Benzo (a) anthracene		9	U
218-01-9Chrysene		9	U
117-81-7Bis(2-ethylhexyl) phthal	late	9	Ū
117-84-0Di-n-∞tyl phthalate		9	U
205-99-2Benzo (b) fluoranthene		9	υ
207-08-9Benzo(k) fluoranthene		9	U
50-32-8Benzo (a) pyrene		9	ប
193-39-5Indeno (1, 2, 3-cd) pyrene		9	ប
53-70-3Dibenzo (a, h) anthracene		9	U

#### ASP 2000 - METHOD 8270 SEMIVOLATILES ANALYSIS DATA SHEET

Client No.

	M₩-1
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6355801
Sample wt/vol: 1055.0 (g/mL) ML	Lab File ID: X08050.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 04/04/2006 04/05/2006
% Moisture: decanted: (Y/N) N	Date Extracted: <u>04/07/2006</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>04/10/2006</u>
Injection Volume: 2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.0	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q
191-24-2Benzo(ghi)perylene	9 U

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

·	MW-1
Lab Name: STL Buffalo Contract:	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: A6355801
Sample wt/vol: 1055.0 (g/mL) ML	Lab File ID: X08050.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 04/04/2006 04/05/200
% Moisture: decanted: (Y/N) N	Date Extracted: <u>04/07/2006</u>
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: <u>04/10/2006</u>
Injection Volume:2.00 (uL)	Dilution Factor: 1.00
GPC Cleanup: (Y/N) N pH: 6.0	•

Number TICs found: 30

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

Est. Conc. CAS NO. Compound Name RT Q JN 7.76 55 1. 78-40-0 TRIETHYLPHOSPHATE 2. 3302-10-1 3,5,5-TRIMETHYL HEXANOIC ACI 7.96 14 JN 11 J 8.37 UNKNOWN 21 JΝ 4. 3602-55-9° 2,5-CYCLOHEXADIENE-1,4-DIONE 8.63 12 IJ 5. 8.85 UNKNOWN J 11 6. UNKNOWN 8.94 7. 9.04 12 J UNKNOWN J 9.27 65 UNKNOWN 9. 585-34-2 58 JN M-TERT-BUTYL-PHENOL 9.42 15 J 10. 9.98 UNKNOWN J 11. UNKNOWN 10.29 31 12. 10.35 20 J UNKNOWN 100 13. J UNKNOWN 10.47 34 IJ 14. UNKNOWN 10.71 J 15. 10.98 11 UNKNOWN 16. 11.23 34 J UNKNOWN 28 J 17. 11.29 UNKNOWN J 10 18. UNKNOWN 11.41 J 19. 11.50 12 UNKNOWN 20. 36 J UNKNOWN 11.54 22 J 21. 11.64 UNKNOWN 36 JN 22. 4408-60-0 MESITYLACETIC ACID 11.72 23. UNKNOWN 12.06 14 J

# ASP 2000 - METHOD 8270 SEMIVOLATILES TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

			MW-1	
Lab Name: STL Buffalo	Contract:			
Lab Code: RECNY Case No	o.: SAS No.:	SDG No.:		
Matrix: (soil/water) WATER	3	Lab Sample ID:	A6355801	
Sample wt/vol: 1055.	.0 (g/mL) <u>ML</u>	Lab File ID:	X08050.RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	04/04/2006 04/05/200	6
% Moisture: decar	nted: (Y/N) <u>N</u>	Date Extracted:	04/07/2006	
Concentrated Extract Volum	me: <u>1000</u> (uL)	Date Analyzed:	04/10/2006	
Injection Volume: 2.00	Q (uL)	Dilution Factor:	1.00	
GPC Cleanup: (Y/N) N	рH: 6.0	•		

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/L</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 25. 26. 934-34-9 27. 111-06-8 28. 123-95-5 29. 30. 112-84-5	UNKNOWN UNKNOWN 2 (3H) BEZOIHIAZOLONE HEXADECANOIC ACID, BUTYL ESTR HEXADECANOIC ACID, BUTYL ESTR UNKNOWN 13-DOCONAMIDE	12.11 12.46 12.53 14.67 15.31 15.38 16.46		J J JN BJN BJN J BJN

Number TICs found: 30

#### ASP 2000 - METHOD 8270 SEMIVOLATILES WATER SURROGATE RECOVERY

Lab Name: STL Buffalo		Contract:	
Lab Code: RECNY	Case No.:	SAS No.:	SDG No.:

	Client Sample ID	Lab Sample ID		2FP %REC #	DCB %REC #	FBP %REC #	NBZ %REC #	PHL %REC #	TBP %REC #	TPH %REC #	TOT
2	MSB83 MSBD83 MW-1 SBLK83	A6B1672401 A6B1672402 A6355801 A6B1672403	55 64 65 60	33 39 37 33	54 67 63 57	62 73 58 63	59 72 77 60	26 32 30 30	82 95 106 88	63 75 61 69	0 0 0

00		7	М	ŧ	T	c
OC.	1.	ı	71		F	

2CP	=	2-Chlorophenol-d4	( 33-110)
2FP		2-Fluorophenot	( 21-110)
DCB	=	1,2-Dichlorobenzene-d4	( 16-110)
FBP	=	2-Fluorobiphenyl	( 43-116)
NBZ	=	Nitrobenzene-D5	( 35-114)
PHL	=	Phenol-D5	( 10-110)
TBP	=	2,4,6-Tribromophenol	( 10-123)
TPH	=	p-Terphenyl-d14	( 33-141)

<sup>#</sup> Column to be used to flag recovery values\* Values outside of contract required QC limitsD Surrogates diluted out

Chain Of Custody Documentation

### Chain of Custody Record



STL-4124 (0901) Client Project Manager Date 4-4-0 C Chain of Custody Number DELTA ENVIRONMENTAL MARK SCHUMACHEN
Telephone Number (Area Code)/Fax Number 315-445-0224 /315-445-0793 Site Contact Analysis (Attach list if JYRACUSE 13214 more space is needed) 5.Anu BOLLAN FISCHEN Project Name and Location (State) Carrier/Waybill Number COOPER Special Instructions/ Contract/Purchase Order/Quote No. Conditions of Receipt Containers & Matrix 03100250 Q Preservatives Sample I.D. No. and Description Date Time (Containers for each sample may be combined on one line) Mu-1 4-4-06 1000 Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained ☐ Flammable ☐ Skin Irritant ☐ Poison B 📈 Unknown ☐ Return To Client 💹 Disposal By Lab 🔲 Archive For .... Months longer than 1 month) Turn Around Time Required QC Requirements (Specify) 24 Hours 48 Hours 7 Days X 14 Days 21 Days 1. Relinguished By 2. Relinquished by Comments ASP 2000 CAT B DELIVERABLE FORM IA DUE IN 14 DAYS,
DISTRIBUTION: WHITE-Returned to Client with Report; CANARY-Stays with the Sample; PINK-Field Copy BATCH QA/QC CAT & DELIV IN 21

# ATTACHMENT 3 TEST PIT LOGS, SOIL BORING LOGS AND GROUNDWATER SAMPLING LOGS

# **DELTA ENVIRONMENTAL CONSULTANTS**

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

Site:	Cooper Crouse-Hi	inds		-						Date:		11/21-11/22/	05		
Project No:	0310025P			<del>,</del>						Weather/Ter	mp;	Sunny, 50 de	egrees		
Sampler: Sampler:	Scott Bryant Jennifer Hull			Signature: Signature:				- Andrew	<u>.</u> -	Time of Arriv					
Well No:		W-1	W-2	W-3	MW-1	MW-2	MW-3	MW-4A	MW-4B	MW-5	MW-6A	MW-6B	MW-7	MW-8A	MW-8B
Depth of We	ell (TOC):	26.06	25.17	25.21	22.60	21.60	15.00	15.45	39.70	57.80	12,31	59,40	53.70	14.35	41.90
Depth to Gro	oundwater (TOC):	7.20	10.00	7.50	9.80	7.29	3.70	4.07	3.99	5.40	3.40	1.80	0.80	3.89	1,24
Elevation at	Top of PVC:	375.38	376.88	373.95	379.38	380,70	372.23	373.77	373.83	376.27	372.12	372.92	371.98	371.70	371.35
Water Level		368.18	366.88	366.45	369.58	373,41	368.53	369.70	369.84	370.87	368.72	371,12	371.18	367.81	370,11
Well Volume	e:	3.02	2.43	2.83	2.05	2.29	1.81	1.82	5.71	8.38	1.43	9.22	8.46	1.67	6.51

6.00

Purging Method:

Volume Purged (gallons):

Peristaltic pump and low flow techniques

8.00

9.00

7.00

7.00

10.00

Observations:

color sheen odor рΗ temperature conductivity dissolved O2 turbidity ORP

Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
None	None	None	None	None	None	None	None	None	Yes	None	None	None	None
None	None	None	Lt. Oily	None	None	None	None	Lt. Oily	Oily	None	None	None	None
7.20	6.85	7.10	6.65	6.59	6.42	7.52	7.49	7.08	NA	6.87	6.76	6,95	7.36
10.20	11.20	12.10	10.70	10.90	12.90	12.20	11.30	9,30	NA	8.80	11.20	10.40	9.90
2.52	15.80	23.20	2.05	1.79	2.30	1.34	19.30	2,32	NA	5.90	17.10	1.56	25.10
10.98	11.28	10.20	9.91	NA	9.82	NA	NA	9.86	NA	10.56	10.22	NA	NA.
51.00	44.00	38.00	46.00	20.00	47.00	4.00	5.00	25.00	NA	52.00	28.00	13.00	10.00

16.40

4.30

29.00

26.50

5.20

20.00

27.00

5.46

Comments:	
NA: Not analyzed	

# DELTA ENVIRONMENTAL CONSULTANTS FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

Site: Cooper Crouse-H	inds		-						Date:		11/21-11/22/	05		
Project No: <u>0310025P</u>			_						Weather/Ten	np:	Sunny, 50 de	egrees		•
Sampler: Scott Bryant Sampler: Jennifer Hull			_Signature: _Signature:		***************************************		Additional Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of		Time of Arriv	al: Time o	Departure:			
Well No:	MW-9A	MW-9B	MW-10	MW-11A	MW-11B	MW-12A	MW-12B	MW-13	MW-14	OW-1	OW-2	OW-3	0)8/4	<u> </u>
Depth of Well (TOC):	16.22	66.28	16.00	16.45	34.46	66.65	17.15	16,20	16.60	15.00	15.00	15.00	OW-4 15.00	
Depth to Groundwater (TOC):	5.35	1.26	4.10	4.70	5.02	5.51	8.02	9.70	4.20	4.47	5.00	3.97	4.13	
Elevation at Top of PVC:	372.08	371,87	370.43	375.08	374.94	378.03	378.23	382.14	376.35	375.87	375.78	376.67	4.13 375.81	
Water Level Elevation:	366.73	370.61	366.33	370.38	369.92	372.52	370.21	372.44	372.15	371.40	370.78	370.07	373.61	
Well Volume:	1.74	10.40	1.90	1.88	4.71	9.78	1.46	1.04	1.98	1.68	1.60	1.76	1.74	
Volume Purged (gallons):	5.30	32.00	6.00	5.80	14.70	31.00	5.00	6.00	6.00	1,00	1.00	1.10	1.174	
Purging Method: Observations:	Peristaltic pu	mp and low t	flow technique	es										
color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
sheen	None	None	None	None	None	None	None	None	None	None	None	None	None	
odor	None	None	Sl. Sulfur	Lt. Oily	None	None	None	None	Lt. Oily	Lt. Oily	Lt. Oily	Lt. Oily	None	
рH	7.55	7.22	6.90	7.56	7.03	7.19	7.72	7.45	7.10	NA	NA	NA	NA	
temperature	8.60	9.40	10.20	11.60	11.50	12.40	10.00	12.20	11.90	NA	NA	NA	NA	
conductivity	7.71	29.90	1.15	2.10	14.80	3.73	3.12	1.05	1.10	NA	NA	NΑ	NA	
dissolved O2	NA NA	NA	9.52	NA NA	NA	NA	NA	14.13	9.96	NA	NA	NΑ	NA	
turbidity ORP	18.00	36.00	27.00	44.00	35.00	25.00	42.00	46.00	42.00	NA	NA	NA	NA	
Comments: NA: Not analyzed					· · · · · · · · · · · · · · · · · · ·					W. Mada				

# INTEGREYTED INTERNATIONAL, LLC FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

Site: Cooper Crouse-Hinds Date: 6/30-7/1/04 Project No: 0310025P Weather/Temp: Sunny and clear, 80 degrees Sampler: Scott Bryant Signature: Time of Arrival: Time of Departure: Mark J Schumacher Sampler: Signature: Well No: W-1 W-2 W-3 MW-1 MW-2 MW-3 MW-4A MW-4B MW-5 MW-6A MW-6B MW-8A MW-8B MW-9A MW-9B MW-7 MW-10 MW-11A MW-11B Depth of Well (TOC); 26.06 25,17 25.21 22.60 21.60 15.00 15.45 39.70 53.35 12.31 59.40 53.70 14.35 41.90 16.22 66,28 16.00 16.45 34,46 Depth to Groundwater (TOC): 6.95 10.15 7.56 10.55 7.70 4.42 4.42 3.38 3.17 5.51 0.25 0.00 2,40 0.00 5.99 0.00 5.20 5.05 4.18 Elevation at Top of PVC: 375.38 376.88 373.95 379.38 380.70 372.23 373.77 373.83 375,71 372.12 372.92 371.98 371.70 371.35 372.08 371.87 370,43 375.08 374.94 Water Level Elevation: 368.43 366.73 366.39 368.83 373.00 367.81 369.35 370,45 372.54 366,61 372.67 371.98 369.30 371.35 366.09 371.87 365.23 370.03 370.76 Well Volume: 3.06 2.40 2.82 1.93 2.22 1.69 1.76 5.81 8.03 1.09 9.46 8.59 1.91 6.70 1.64 10.60 1.73 1.82 4.84 Volume Purged (gallons): 10.00 10.00 10.00 6.00 6.70 5.00 10.00 25.00 27.00 4.00 30.00 28,00 5.70 22.00 10.00 55.00 8,00 10.00 20.00 Purging Method: Peristaltic pump and low flow techniques Observations: Clear color Clear Clear Clear Clear Clear Clear Clear Clear Cloudy Clear Clear Clear Clear SI. Cldy Clear Clear Clear Clear sheen None None None None None None None None None Yes None None None None None None None None None odor None None None None None None None None None Oily None None None None None None None None None pН 7.39 7.17 7.02 4.61 5.94 6.50 7.18 6.90 6.18 NA 6.67 6.39 5.98 6.45 6.83 6.80 6.70 6.98 6.96 temperature 12.36 13.72 16.80 11.20 11.50 13.10 12.69 10.51 12.10 NA 11.90 12.30 12.10 12.00 11.57 11.05 12,24 12.20 10.43 conductivity 2.72 14.70 83.70 1.80 1.70 2.70 1.57 20.50 1.26 NA 6.49 14.90 1.53 23.00 11.00 31.90 2.14 15,60 0.81 dissolved O2 3.33 3.13 4.38 0.00 1.30 7.01 0.74 0.27 0.00 NA 0.00 0.00 0.66 0.00 5.61 0.34 0.00 1.08 0.37 turbidity 56.40 35,60 42.80 30.00 25.00 50.00 48.30 46.30 5.00 NA 7.00 29.00 12.00 17.00 35.70 37.90 50.00 31.00 79.80 ORP -144.00 -157.00 -134.00 -127.00 -111.00 -119.00 -199.00 -83.00 -82.00 NA -98.00 -69.00 -68.00 -176.00 -83.00 -76.00 -127.00 -138.00 -100.00 Comments:

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-4B

PROJ	ECT:	Prelimi	nary S	ite Assess	ment	Sheet 1 of 3
CLIE	NT:	Cooper	Indus	tries		
INTE	GREY'	TED PR	ОЈЕС	T NO: 03	10025P	
DRILI	JNG M	ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	DATE: 6/0/04
DRILL	JNG RI	G:	CME		2'SS 4 1/4" ID NA NA	DATE: 6/9/04
DRILL	ER:		Jeff C	Frant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6*		(ppm)	A A T TO CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CONTINUE CON	DEMARKS
					SOIL DESCRIPTION	REMARKS
		1			Sand (f-m) little silt, black foundry sand and slag, organics, wet	Fill
1.0	1	2	0.6	2.0		Obvious peat
		1				odor
2.0		2		Ì		
12.0						WT @ 3'
		1		2.0	G	Fill
3.0	2	12	0.4	3.0	Same as above, saturated	peat odor
		6				peat odor
4.0		2				
l		9			5.0	4
5.0	3	6	0.5	4.0	Peat and sand (f-m) little silt, saturated, black	peat odor
13.0		11	"	''`		]
6.0		6				
		4			100 111 1 1011	peat odor
7.0	4	2	0.8	4.0	Sand (f-cs) trace gravel (f), organics, black, saturated	pear odor
		3				ŀ
8.0		3				
		0				
9.0	5	ŏ	0.9	2.0	Same as above to 9.0'	peat odor
9.0			0.5	2.0	9.0-10.0' Sand (f-cs) little silt, light gray-brown, saturated	Ţ
<b> </b>		0			7,0-10.0 Balla (1 ca) halo bits, inglic gray of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	·
10.0		0				
1		0				weak peat odor
11.0	6	0	0.8	1.0	Same as above - alternating silty sand and peat lenses, wet	weak peat out
		2				
12.0		2				
		1			13.0	<u>'</u>
13.0	7	3	1.4	0.0	Silt some clay little sand (f), gray-brown, fining down, wet	No odors or
13.0	′		1,7	0.0	one some viay sime sime (-), g · y · · · · · · ·	staining
<b>.</b>		2				
14.0		1				1
		1				
15.0	8	0	0.9	0.0	Clay little silt, light gray, saturated	
		0	ı			
16.0		0				
~		1	ļ			
170	9	1	0.9	0.0	Same as above	
17.0	7	ļ	0.5	0.0	Dumo do do to	
, , ,		1	ļ			1
18.0		1				

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-4B

		•			BURING NU.: MW-4B	
PROJ	ECT:	Prelim	inary S	ite Assess	ment	Sheet 2 of 3
CLIE	NT:		r Indus			····
				T NO: 03	10025P	
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	DATE: 6/0/04
DRILL		IG:	CME		2' SS 4 1/4" ID NA NA	DATE: 6/9/04
DRILL			Jeff G	7	INSPECTOR: Scott Bryant	1
1	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6*		(ррп)	SOIL DESCRIPTION	REMARKS
		1			SOID DESCRIPTION	TOSTATA
1.00	١,,	1	1,,		Same as above with some minor lenses of silty sand	No odor or
19.0	10	3	1.6	0.0	Same as above with some minor lenses of stray saild	staining
		5				Staning
20.0		3				
1	Ì	3				
21.0	11	2	1.4	0.0	Silt little clay trace sand (f), gray, saturated	
		2				
22.0		1				
	Ì	3				
23.0	12	2	1.7	0.0	Same as above, slightly coarser	
		2		·		ļ
24.0		2				
1 <sup>2-7.0</sup>		1			25.0'	
25.0	13	1	0.8	0.0	Sand (f-m) some silt little clay, trace gravel (f), gray, saturated	
23.0	13		0.0	0.0	Said (1-iii) some sit ittie eidy, tideo graver (1), gray, saidanne	
26.0		4			·	
26.0		7				
		3	ا , , ا			
27.0	14	5	0.4	0.0	Same as above	
		5				
28.0		4				
		7				
29.0	15	9	1.2	0.0	Same as above	
		9				
30.0		10				
	.	4			,	·
31.0	16	3	1.1	0.0	Same as above	
	-~	3		- / -		
32.0		5				
12.0		0			Same as above to 33'	
22 0	17	0	1.4	0.0	33-34' Sand (f-m) little silt trace gravel (f), gray, saturated	
33.0	1/		1.4	0.0	JJ-J-T Dand (1-111) Intio Sit aloo Brator (1), Bray, Saturated	
		0	1			
34.0		0		İ		<b>]</b>
		4				
35.0	18	8	1.2	0.0	Sand (f-cs) little silt trace gravel (f), gray, saturated	
	ļ	8				
36.0	1	10				

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-4B

PROJE	CT	Drolimi	non: 9	ite Assessi	nent	Sheet 3 of 3
CLIEN		Cooper			nent	
				T NO: 03	10025P	
		ETHOD:		H.S.A	SAMPLER BIT SIZE CORE CASING	· · · · · · · · · · · · · · · · · · ·
DRILL			CME		2' SS 4 1/4" ID NA NA	DATE: 6/9/04
DRILL			Jeff G		INSPECTOR: Scott Bryant	
	SAMPLE	BLOWS	REC.	PID		
1 1	NO.	PER	REC.	READING		
IX 71.	NO.	6 <sup>e</sup>		(ppm)		
				φμ,	SOIL DESCRIPTION	REMARKS
<b></b> -		4				
37.0	19	6	1.3	0.0	Same as above to 37.5', more gravel	No odor or
137.0	17	9	1,5	0.0	37.5-38' Sand (f-m) some silt little gravel (f-m), hard, damp	staining
					37.5-58 Sand (1-iii) Some Six intic graver (1-iii), nard, damp	l tuming
38.0		10				
		50/0.2				·
39.0	20		0.1	0.0	Sand (f-m) little silt, little gravel (f-m), brown, damp, hard	***
<b>I</b>					40.0	
40.0					EOB @ 40'	
41.0					Monitoring well set at 38 '	
171.0					10 ft of 0.01" screen, 28'-38'	
[ <sub>42,0</sub> ]					Sand pack 26'-38'	
42.0						
1					Bentonite seal 24'-26'	
43.0		i			Concrete 0-24'	
44.0	1				Monitoring Well MW-4A	
i i		1			Monitoring well set at 14 '	
45.0					10 ft of 0.01" screen, 4'-14'	
	İ				Sand pack 3'-14'	
46.0		1			Bentonite seal 1'-3'	
70.0		I			Concrete 0-1'	
17.0					Concide 0-1	
47.0						
		-				
48.0		- 1	1			
	- 1					
49.0						
	- 1		ı			
50.0						
						•
C1 0			İ			
51.0				İ		
ļ		-	1			
52.0	1	İ	ĺ	Ī		
			ļ	ļ		
53.0	- 1	]	1	]		
			-			
54.0				ļ		
J-1.0						Antonia de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania del Compania de la Compania del Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de la Compania de

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-9B

PROJ	ECT:	Prelimi	nary S	ite Assess	ment	Sheet 1 of 4
CLIE	NT:	Cooper				
INTE	GREY?	TED PR	OJEC	T NO: 03		·····
<del></del>		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	DATE: 6/7/04
1	JNG RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 0/ //04
DRILL	ER:		Jeff G	Frant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REÇ.	PID		
IN FT.	NO.	PER		READING		1
l		6°		(ppm)	COH DESCRIPTION	REMARKS
<u></u>					SOIL DESCRIPTION	Fill
l		2			Sand (f-m) trace silt trace gravel (f), black foundry sand and slag,	Į.
1.0	1	6	1.3	0.0	minor organics, damp	Weak peat odor
		8	ŀ			
2.0		14				
1		7			•	·
3.0	2	9	1.2	0.0	Same as above	Fill
		7				
4.0		6				
'		2				
5.0	3	2	1.1	0.0	Same as above, wet	Fill
13.0			1.1	0.0	Banic as above, were	
		2				
6.0		2			7.0	' WT @ 6'
		2			7.0	] <b>"</b> 1 <b>( ( ( ( ( ( ( ( ( (</b>
7.0	4	1	1.0	0.0	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	No odor or
İ		2			7-8' Peat and sand (f-m) some silt, organic rich, brown, saturated	1
8.0		1				staining
		1				
9.0	5	1	1.3	0.0	Peat as above to 9.7', saturated	
		1			9.7-10' Clay and silt trace sand (f), gray, wet, minor organics	
10.0		1				
		1				
11.0	6	1	1.1	0.0	Same as above - alternating silty clay and peat lenses, wet	ļ
		1				
12.0		2				
		ő				
13.0	7	0	1.5	0.0	13.5	<b>'</b>
13.0	'	5	1.5	0.0	13.5-14' Sand (f-m) and silt, gray-brown, wet	1
140			l		10.0 It Smith (I my one Brah ere m) nee	
14.0		7	ĺ		,	
		7	, ,	^ ^	Olle 5 J (A little class cover brown wat	
15.0	8	7	1.3	0.0	Silt and sand (f) little clay, gray-brown, wet	
		7		ĺ		
16.0		4	į			
		2				
17.0	9	3	1.4	0.0	Same as above, slightly coarser and saturated	
		5				
18.0		6				

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-9B

		•			BURING NU.:	. 11 411	,		~ · · · · · · ·
PROJ	ECT:	Prelim	nary S	ite Assessi	nent				Sheet 2 of 4
CLIE	NT:	Cooper	Indus	tries					
INTE	GREY'	TED PR	OJEC	T NO: 03	0025P				<u> </u>
		ETHOD		H.S.A	SAMPLER BITS		CORE	CASING	72 6 FED C 15 10 A
	JNG R		CME	45B	2' SS 4 1/4	" ID	NA_	NA NA	DATE: 6/7/04
DRILI	ER:		Jeff G	rant	INSPECTOR: Scott Bryant				
DEPTH	SAMPLE	BLOWS	REC.	PID	-				
IN FT.	NO.	PER		READING					
1		6,*		(ppm)			YDWYON		REMARKS
					SOIL	DESCR	IPTION		KEMAKKS
		2							
19.0	10	3	1.4	0.0	Sand (f-m) some silt trace clay,	gray-bro	wn, fining d	ownward,	No odor or
		5			saturated				staining
20.0		3							
20.0		3							
21.0	11	1	1.2	0.0	Same as above to 21'				
21.0	11	1	1.2	0.0	21-22' Silt some clay little sand	(f), satur	ated, grav-b	own-	
		2			21-22 Ont some only more built	(-/),			
22.0		3							
		2			CH. 1.1	aturatad			
23.0	12	2	1.3	0.0	Silt and clay, gray-brown, soft, s	aturateu			
ļ		2							
24.0		3							
		3							
25.0	13	4	0.8	0.0	Silt and clay little sand (f), gray-	brown, v	vet to satura	ted	
		8							
26.0		7							
20.0		5					•		
27.0	14	4	1.6	0.0	Silt and clay, gray-brown, soft, s	aturated			
27.0	17	3	1.0	0.0	220 0.20 0.20 0.20				
20.0		3							
28.0									
		1	1.0	^ ^	Same as above				
29.0	15	2	1.3	0.0	Same as above				
		1							
30.0		2							
		0							
31.0	16	0	1.2	0.0	Clay some silt, gray-brown, wet,	uniform	L		
ĺ		0		,					
32.0		0							
		1							
33.0	17	1	1.4	0.0	Clay little silt, gray-brown, wet,	uniform			
33.0		1	_ · · ·						
240				•					
34.0		1							
	_	0	, ,	^ ^	9 as aba				
35.0	18	0	1.6	0.0	Same as above				
		0							***
36.0		1						The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-9B

PROJ	ECT:	Prelim	inary S	ite Assess	nent		Same and the same and same and same and same and same and same and same and same and same and same and same an		Sheet 3 of 4
CLIE	NT:	Cooper	r Indus	tries					
INTE	GREY'	ΓED PR	ROJEC	T NO: 03	0025P				
		ETHOD		H.S.A	SAMPLER BIT S		CORE	CASING	DATE: 6/7/04
DRILL	JNG RI	G:	CME		2' SS 4 1/4	<u>'' ID</u>	NA_	NA	DATE: 6/7/04
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant				
DEPTH	SAMPLE	BLOWS	REC.	PID					
in ft.	אס.	PER		READING					
İ		6"		(ppm)		- nacn	MOTION.		REMARKS
					SOIL	DESCR	IPTION		KEMARKS
		0							1
37.0	19	0	1.5	0.0	Same as above, damp				No odor or
		0							staining
38.0		1							
1		- 0					·		
39.0	20	0	1.8	0.0	Clay trace silt, gray, damp, unifo	rm			
],,,	~	3	2,0	-,-	, , , , , , , , , , , , , , , , , , ,				
40.0	[	2							
40.0									
	٠.	2	1.7	0.0	Same as above			•	
41.0	21	2	1.7	0.0	Same as above				
		3							
42.0		3							
		3							
43.0	22	3	1.8	0.0	Same as above, more silt at botto	m			
		4							
44.0		4							
		2							
45.0	23	3	1.7	0.0	Same as above				
		3							
46.0		4							
10.0		4							
47.0	24	7	1.4	0.0	Same to 47.5'				
47.0	24	10	1,-7	0.0	47.5-48' Slit little clay, gray-brov	vn. wef			
[,, , ]					47.5-40 One near only, gray brov	,			
48.0		11							
		0		Λ Λ	O'll light along arms become action	tad nni	form		
49.0	25	0	1.0	0.0	Silt little clay, gray-brown, satura	.tcu, titll	101111		
		0							
50.0	ļ	0							
		0							
51.0	26	0	0.5	0.0	Same as above				
		0							<b>!</b>
52.0		0							
		0						•	
53.0	27	3	0.6	0.0	Same as above				
ا ۵۰۰۰	-1	3	١.٠٠	V.0					****
540		3							
54.0		١ -					- <u></u>		

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-9B

PROJE	ECT:	Prelim	inary S	ite Assessi	ment				***************************************	Sheet 4 of 4
CLIEN	IT:	Cooper	r Indus	tries						
				ΓNO: 03						
		ETHOD	;	H.S.A	SAMPLER	BIT SIZE	CORE	CASING		m t mm circos
DRILL	ING RI	G:	CME		2¹ SS	4 1/4" ID	NA	NA		DATE: 6/7/04
DRILLI	ER:		Jeff G	rant	INSPECTOR: Scott	Bryant				
DEPTH	SAMPLE	BLOW\$	REC.	PID						
IN FT.	NO.	PER		READING						
		6"		(ppm)		COTT DECOR	IDTION			REMARKS
			ļ			SOIL DESCR	APTION			KEWAKKS
		4					1			N. dan an
55.0	28	3	0.7	0.0	Silt little sand (f) tra	ice clay, gray-brown,	, saturated			No odor or
		4								staining
56.0		8								
		6							57.0'	
57.0	29	7	1.2	0.0	Sand (f-cs) trace silt	trace gravel (f), gray	y-brown, satı	ırated		
		10			- Andrews					
58.0		9								
"		6			ĺ					
59.0	30	12	1.1	0.0	Same as above, sligh	ntly coarser (more gr	avel, less silt	<b>:</b> )		
J.J.U	ا ۵ر	13	*•	0.0			,	-		
60.0		14								
60.0										
(1,0	2.1	18		0.0	Sand (f-cs) trace gra	vel (f) aray_brown	wet			
61.0	31	14	0.4	0.0	Sand (1-cs) trace gra	ver (1), gray-orown,	1701			
		9								
62.0		11								
		18		:	_					
63.0	32	8	0.7	0.0	Same as above					
	-	8								
64.0	1	11								
		12								
65.0	33	9	1.0	0.0	Sand (f-cs) trace silt,	, gray-brown, wet				
		11	İ							
66.0	-	8								
	1	9				·				
67.0	34	10	0.8	0.0	Same as above					
		12								
68.0		11	1	İ					68.0'	
00.0		**							"	
ا ۵۵			ļ	. ]						
69.0	1		l		Monitoring well set a	at 68' 10 ft of 0.01"	screen 58'-6	8'		!
					Sand pack 56'-68', B				,	
70.0					•		COMMERCE U.	J- <b>T</b>		
					Monitoring Well M			11		
71.0		[	-	ĺ	Monitoring well set a	it 14', 10 it of 0.01"	screen, 4'-14	ł*		
					Sand pack 3'-14', Ber	ntonite seal 1'-3', Coi	ncrete U-1'			
72.0			[							

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-10

CLIENT:   Cooper Industries						BURING NU.: MW-10	
NyErgrey File   PROJECT NO: 03 10023P   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 14   NO: 04078 or staining   No: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   NO: 04 12   DRILLING   DRILLING   NO: 04 12   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLING   DRILLIN	PROJ	ECT:	Prelimi	nary S	ite Assess	ment	Sheet 1 of 1
DRILLING METHOD.   H.S.A   SAMPLER   BIT SIZE   CORE   CASING							
DRILLING RIG:   CME 45B   2' SS   4   1/4" ID   NA   NA   DATE: 69/04	INTE	GREY'	TED PR	OJEC.	T NO: 03		
DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:   DRILLER:	DRILL	.ING M	ETHOD	:	H.S.A		
DEPTI    SAMPLE   SLOWS   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PER   PE	DRILL	JNG R	IG:	CME	45B		DATE: 6/9/04
No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.	DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant	
REMARKS   No.   PER   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per   Per	DEPTH	SAMPLE	BLOWS	REC.	PID		
1					READING		
1.0			6"		(ppm)		
1.0						SOIL DESCRIPTION	REMARKS
1.0			5			Sand (f-m) some silt little clay, damp to moist, organics, dark brown	
2.0   3   50/0.3   - 10   3.0   2   7   4   4   3   3   2   5.0   5.0   3   2   2   0.1   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 4'   5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat odor WT @ 5.0   Fill weak peat	1 0	1	,	0.0	0.0		
2.0 3.0 2 7 7 4 4 4 2.0 Sand (f-m) little silt, brown to black, moist, foundry sand  Fill weak peat odor WT @ 4'  5.0 3 2 0.1 5.0 Pent and sand (f-m) little silt, saturated, black  Fill weak peat odor WT @ 4'  weak peat odor  weak peat odor  weak peat odor  No odors or staining  11.0 11.0 Fill weak peat odor  WT @ 4'  No odors or staining  11.0' Sand (f) and silt little clay, brown, organic rich, saturated  No odors or staining  11.0' Sand (f) and silt little clay, brown, organic rich, saturated  No odors or staining  No odors or staining  12.0 13.0 7 1 1 1.7 0.0 Same as above, fining down  EOB @ 14'  Monitoring well set at 14' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3'	1.0	1		0.5	0.0		
3.0	1		50/0.3				
3.0	2.0		-				
A			10			· · · · · · · · · · · · · · · · · · ·	
4.0	3.0	2	7	0.4	2.0	Sand (f-m) little silt, brown to black, moist, foundry sand	Fill
4.0			4				weak peat odor
Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution	4.0		1 1				WT @ 4'
Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution   Solution	''*					5.0	
1	1.	,		0.1	5.0		-
6.0 7.0 4 2 1 0.4 5.0 Same as above weak peat odor  8.0 1 1 0.5 0.0 Peat some sand (f-m) little silt, saturated, brown  10.0 11.0 6 1 1.0 1 1.0 1 1.0 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7 1 1.7	5.0	3		0.1	5.0	Peat and Sand (1-111) fittle Sht, Saturated, black	weak pear odor
7.0							
7.0	6.0		2	Ì			
1			1				
8.0	7.0	4	2	0.4	5.0	Same as above	weak peat odor
8.0				ĺ			1
9.0   5   1   0.5   0.0   Peat some sand (f-m) little silt, saturated, brown   No odors or staining   11.0   6   1   1.0   0.0   Sand (f) and silt little clay, brown, organic rich, saturated   No odors or staining   12.0   1   1   0   1   13.0   7   1   1.7   0.0   Same as above, fining down   14.0   14.0   1   1	00						
9.0   5   1   0.5   0.0   Peat some sand (f-m) little silt, saturated, brown   No odors or staining   11.0   6   1   1.0   0.0   Sand (f) and silt little clay, brown, organic rich, saturated   No odors or staining   12.0   1   0   1   0   13.0   7   1   1.7   0.0   Same as above, fining down   No odors or staining   14.0   1   1   1   1   1   15.0   EOB @ 14'   16.0   Monitoring well set at 14'   10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'	0.0		- I				
10.0				ا ۾ ۾	^ ^	n	No odore or
10.0   1	9.0	5	1	0.5	0.0	Peat some sand (i-m) little siit, saturated, orown	
11.0							staming
11.0   6   1   1.0   0.0   Sand (f) and silt little clay, brown, organic rich, saturated   No odors or staining   12.0   1   0   1.7   0.0   Same as above, fining down   14.0   14.0   1   1     EOB @ 14'   15.0   EOB @ 14'   16.0   Monitoring well set at 14 '   10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'	10.0		2				
12.0			1			11.0'	
12.0	11.0	6	1	1.0	0.0	Sand (f) and silt little clay, brown, organic rich, saturated	No odors or
12.0			1	.			staining
13.0 7 1 1.7 0.0 Same as above, fining down  14.0 1 1	120		- 1				-
13.0 7 1 1.7 0.0 Same as above, fining down 14.0 1 1	12.0		- 1				
14.0   1   1   14.0'   staining   14.0'   15.0   EOB @ 14'		_				a l Calas Jama	No odore or
14.0   1   EOB @ 14'  15.0   Monitoring well set at 14'  16.0   10 ft of 0.01" screen, 4'-14'  Sand pack 3'-14' Bentonite seal 1'-3'	13.0	7	1	1.7	0.0		
EOB @ 14'  Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3'						14.0'	staining
16.0   Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'	14.0		1				
16.0   Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'			l	ĺ			
16.0   Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'	15.0				ĺ	EOB @ 14'	
17.0   10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'		- 1			ļ		
17.0   10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'	160		-		1	Monitoring spall set at 14	
Sand pack 3'-14' Bentonite seal 1'-3'	10.0	1		Ì		<del>-</del>	
Bentonite seal 1'-3'					1	· · · · · · · · · · · · · · · · · · ·	
	17.0			ĺ	F F	<u>-</u>	
18.0			1		].	Bentonite seal 1'-3'	
	18.0				ļ	Concrete 0-1'	

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-11B

PROJ	ECT:	Prelimi	nary S	ite Assessi	ment	Sheet 1 of 2
CLIE	NT:	Cooper	Indus	tries		
INTE	GREY'	TED PR	OJEC	TNO: 03	10025P	
DRILI	JNG M	ETHOD:		H.S.A	SAMPLER BIT SIZE CORE CASING	DATE: C/10/04
DRILL	JNG RI		CME		2' SS 4 1/4" ID NA NA	DATE: 6/10/04
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)	SOIL DESCRIPTION	REMARKS
	_				Sand (f-m) little silt, black foundry sand and slag, organics, moist	Fill
1		4			Sand (1-m) little sin, black found y sand and slag, organies, most	Obvious peat
1.0	1	6	1.0	1.0		odor
		6				WT @ 3'
2.0		10				Fill
İ		10				· ·
3.0	2	50/0.2	0.2	5.0	Same as above, wet	peat odor
1		-				
4.0		-				
		6				
5.0	3	7	0.4	80.0	Same as above	peat odor
		4				
6.0		3				
		3				
7.0	4	3	0.3	60.0	Same as above	peat odor
		4				
8.0		2			·	
10.0	1	3				
9.0	5	1	1.3	5.0	Sand (f-m and silt, black, wet, peat at bottom	peat odor
1		1				
10.0		1				
10.0		1			11.0	<b>!</b>
11.0	6	2	1.0	2.0	Peat, light to dark brown, wet	weak peat odor
11.0		1	1.0	~.0	,	
12.0		2	-			
12.0	-	2	.			
120	7	1	1.0	0.0	Same as above	No odors or
13.0	'		1.0	0.0	Damo as acces	staining
,,,		1	I			
14.0		1	İ			]
		2			No was a superior de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
15.0	8	1	0.0	0.0	No recovery - drove rock	!
		2				
16.0		2			17.0	
		1				{
17.0	9	2	1.2	0.0	17-18' Sand (f-m) some silt trace clay, gray, saturated	
		2				
18.0		2				

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-11B

	•				BORING NO.: MW-IIB	
PROJ	ECT:	Prelim	inary S	ite Assess	ment	Sheet 2 of 2
CLIE	NT:	Coope	r Indus	tries		
INTE	GREY	TED PF	ROJEC	T NO: 03		
DRILI	JNG M	ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	ID 4 DD C (10/04
DRILI	ING R	IG:	CME		2' SS 4 1/4" ID NA NA	DATE: 6/10/04
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)	SOIL DESCRIPTION	REMARKS
<u> </u>	ļ				SOLI DESCRII TION	REMERICAS
	٠,	0			27. 1.1. /	No odor or
19.0	10	0	0.2	0.0	Silt and clay trace sand (f), gray, saturated	staining
1		0				staming
20.0		0				0.1
		3			21.0	<u> </u>
21.0	11	1	1.2	0.0	Sand (f-m) little silt, uniform, wet, gray-brown	
		3				
22.0		4				
		6				
23.0	12	6	1.8	0.0	Same as above, more silt at bottom, saturated	
		7		-		
24.0		6				
		5				
25.0	13	6	1.6	0.0	Sand (f-m) little silt, uniform, gray-brown, saturated	
		7				
26.0		8				
		9				
27.0	14	7	1.7	0.0	Same as above	
		9				
28.0		10				
		13			Same as above to 29.5'	
29.0	15	5	1.1	0.0	29.5-30' Sand (f-m) some silt trace gravel (f-m), hard, gray-brown, wet	
	ĺ	6				
30.0		10				
		50/0.1				ļ
31.0	16	20	0.9	0.0	Sand (f-m) little silt little gravel (f-cs), brown, wet, hard	
71.0		22				
32.0		27				
J2.U		31			33.0	,*
33.0	17	21				†
ا ۵.در	1/			j	EOB @ 33'	
34.0					Monitoring well set at 32', 10 ft of 0.01" screen, 22'-32'	
J4.U		1		1	Sand pack 20'-32', Bentonite seal 18'-20', Concrete 0-18'	
25.	10	j		- 1	Monitoring Well MW-11A	
35.0	18				Monitoring well set at 14', 10 ft of 0.01" screen, 4'-14'	
260			]		Sand pack 3'-14', Bentonite seal 1'-3', Concrete 0-1'	
36.0					Sand pack 3-14, Demonic Scal 1-3, Concrete 0-1	

#### TEST BORING LOG BORING NO.: MW-12A

PROJ.				ite Assess	ment	Sheet 1 of 1
CLIE		Cooper				
				310025P	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	D 1 DD 4 4 10 10
	JNG RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/9/05
	DRILLER: Lyon Drilling				INSPECTOR: Mark Schumacher	
DEPTH	SAMPLE		REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)	SOIL DESCRIPTION	REMARKS
	1	1	0.7	0.0	Brown, Topsoil, moist	REMARKS
1.0	<del>                                     </del>	2	0.7	0.0	4	
1.0				0.0	1.0	<u> </u>
		2		0.0	Black, fine, Foundry Sand, moist, no odor	
2.0		4				
	2	4	1.3	0.0	Same as above 2.5	
3.0		6		0.0	Gray, Clay, moist, slight degraded petroleum odor	
,		7				
4.0		5			4.0	']
	3	6	1.2	5.4	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
5.0		9				
		7				
6.0		7			6.0	1
	4	6	0.6	2.2	Gray, medium, Gravel Fill with some plastic and metal debris, wet,	1
7.0		7			slight degraded petroleum odor	
		5				
8.0		5			8.0	
	5	1	0.5	0.0	Black, fine, Foundry Sand, wet, slight degraded petroleum odor,	1
9.0	_	3	0.0	0.0	slight sheen on materials	
,,,		4			onghi oncon on materials	
10.0		5			10.0'	
. 0.0	6	3	1.3	0.0	Gray, medium, Sand and Gravel Fill, saturated, slight degraded petroluem	1
11.0	- V	5	1,0	0.0	odor, slight sheen on materials	
1.0		4			विवर्ण, आहेम आद्या भाषाचावावा	
12.0		$\frac{4}{7}$				
12.0	7	6	1.7	0.0	Sama as share	
20		5	1./		Same as above 12.5'	***************************************
3.0				0.0	Dark Brown, Peat, wet	
140		3				
4.0	0	3		~ ~		
	8	1	0.4	0.0	Same as above	
5.0		2			15.0'	-
					Boring terminated at 15.0'	
6.0					Monitoring well set at 15'	
					10 ft of 0.01" screen, 5'-15'	
7.0					Sand pack 4'-15'	
					Bentonite seal 2'-4'	
8.0					Concrete 0-2'	

### TEST BORING LOG

<b>BORING</b>	$NO \cdot$	MW-12B	2
DOMINO		171 YY -141	,

PROJ	ECT:			ite Assess	ment ,	Sheet 1 of 4
CLIE		Cooper				
				310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	LING RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/8/05
DRILI	LER:		Lyon	Drilling	INSPECTOR: Jennifer L. Hull	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
i		6"		(ppm)		
					SOIL DESCRIPTION	REMARKS
	1	1	0.7	0.0	Brown, Topsoil, moist	
1.0		2			1.0	1
		2		0.0	Black, fine, Foundry Sand, moist, no odor	]
2.0	1	4				
	2	4	1.3	0.0	Same as above 2.5	,
3.0	-	6	1,5	0.0	Gray, Clay, moist, slight degraded petroleum odor	
3.0	<del> </del>	7		0.0	Totay, Say, moist, single degraded penoleum odor	
4.0	-					
4.0		5	1.0		4.0	1
	3	6	1.2	5.4	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
5.0		9				
	<u> </u>	7				
6.0		7			6.0	1
	4	6	0.6	2.2	Gray, medium, Gravel Fill with some plastic and metal debris, wet,	
7.0		7			slight degraded petroleum odor	
		5				l
8.0		5			8.0	
0.0	5	1	0.5	0.0	Black, fine, Foundry Sand, wet, slight degraded petroleum odor,	
9.0	-	3	0.5	0.0		
2.0	<del>                                     </del>				slight sheen on materials	
10.0		4				
10.0		5			10.0'	
	6	3	1.3	0.0	Gray, medium, Sand and Gravel Fill, saturated, slight degraded petroluem	
11.0		5			odor, slight sheen on materials	
		4				
12.0		7	T			
Ì	7	6	1.7	0.0	Same as above 12.5°	
13.0		5		0.0	Dark Brown, Peat, wet	1
		3				
14.0		3				
	8	1	0.4	0.0	Same as above	
15.0		2	0.7	0.0	Came as acove	
12.0		2				
16.0						
16.0		2				
	9	2	1.0	0.0	Same as above	
17.0		3				
		3				
18.0		2				

# TEST BORING LOG

					TEST BORING LOG		
					BORING NO.: MW-12B		
				ite Assess	ment		Sheet 2 of 4
CLIE		Cooper				<del></del>	
				310025P	CAMPIED DIFFORM CORE	O L OD IO	
	LING M	ETHOD	: CME	H.S.A	SAMPLER BIT SIZE CORE 2' SS 4 1/4" ID NA	CASING	DATE: 11/0/05
DRILI		IG:		Drilling	2' SS 4 1/4" ID NA INSPECTOR: Jennifer L. Hull	NA	DATE:11/8/05
DEPTH	SAMPLE	BLOWS	REC.	PID	INST ECTOR. Jeilinier E. Hun		
IN FT.	NO.	PER	KEC.	READING			
	itto.	6"		(ppm)			
				(45)	SOIL DESCRIPTION		REMARKS
	10	1	2.0	0.0	Same as above with trace calcareous shells		
19.0		2					
		3			1		
20.0		3			1		
	11	1	1.0	0.0	Same as above		
21.0		1					
		1					
22.0		1			1	2	2.0'
22.0	12	1	1.2	0.0	Light brown, Peat with some fine sand and silt, wet		2.0
23.0	12	2	1.2	0.0	Light brown, I cat with some time sand and sin, wet		
23.0		2					
24.0		2			1	2	4.01
24.0	13		1.0	0.0	The Condensity Construction		4.0'
25.0	13	1	1.0	0.0	Fine Sand and medium Gravel, saturated		
25.0		1					
060		5					
26.0	1.	3	1 1	0.0			
07.0	14	3	1.4	0.0	Same as above		
27.0		4					
		5					
28.0		12					
	15	9	0.8	0.0	Same as above	28	8.5'
29.0		7		0.0	Light brown, Peat with some fine sand and silt, wet		
		4		· · · · · · · · · · · · · · · · · · ·			
30.0	ļ	3					
	16	1	1.8	0.0	Same as above		
31.0		1				3	1.0'
		1		0.0	Light brown, Silt and Clay, soft, wet		]
32.0		1					
	17	2	1.5	0.0	Same as above		
33.0		2					
		1		***************************************			
34.0		1		·			**
	18	I	1.7	0.0	Same as above with trace fine sand		
35.0		1					
		1					and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
36.0	-	2					

#### TEST BORING LOG BORING NO.: MW-12B

					BORING NO.: MW-12B	•
PROJ	ECT:	Prelim	inary S	ite Assess	ment	Sheet 3 of 4
CLIE		Coope				
				310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	JING R	IG:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/08/05
DRILI	· · · · · · · · · · · · · · · · · · ·		1	Drilling	INSPECTOR: Jennifer L. Hull	
DE₽TH	SAMPLE	1	REC.	PID		
IN FT.	NO.	PER		READING		
		6™		(ppm)	SOIL DESCRIPTION	REMARKS
	19	1	1.5	0.0	Same as above	KEIVIAKKS
37.0	117	1	1.5	0.0	Same as above	
37.0		1	-			
38.0	├	1			-	
36.0	20	5	0.2	0.0	C	
20.0	20		0.2	0.0	Same as above	
39.0	-	4		ļ		
10.0		3				
40.0	21	3	1.5			0.0'
	21	3	1.5	0.0	Light brown, Silt and fine Sand with trace fine gravel, saturated	
41.0		2				
		3				
42.0		1				2.0'
	22	I	1.2	0.0	Light brown, Silt and Clay with trace fine sand, saturated	
43.0		2				
		1				
44.0		2				
Ĺ	23	1	1.7	0.0	Same as above with no fine sand	
45.0		1				
		1				
46.0		1				·
	24	1	1.6	0.0	Same as above with trace fine sand	
47.0		1				
		2				
48.0		4				
	25	1	1.5	0.0	Same as above with some fine sand	
49.0		2				
		5				
50.0		4				
	26	1	1.2	0.0	Same as above	
51.0		2				1.0'
		3		0.0	Light brown, fine to medium Sand, saturated	<b>⊣</b>
52.0		20				
	27	6	1.5	0.0	Same as above 52	2.5'
53.0		3		0.0	Light brown, fine to medium, Sand and gray, fine, Gravel	<del>"</del>
		5		3.0		
54.0		8				
,,						

#### TEST BORING LOG

**BORING NO.: MW-12B** 

				ite Assessi	nent	Sheet 4 of 4
CLIE		Cooper				
				310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	D 1 MD 11/0/05
DRILL	ING RI	G:	CME	45B Drilling	2' SS 4 1/4" ID NA NA INSPECTOR: Jennifer L. Hull	DATE: 11/8/05
	SAMPLE	BLOW\$	REC.		NOTECTOR, Jenniel L. Hun	
IN FT.	NO.	PER	REC.	PID READING		
IN F1.	NO.	6"		(ppm)		
				(Рригу	SOIL DESCRIPTION	REMARKS
<u> </u>	28	4	0.7	0.0	54.5	1
55.0		5		0.0	Brown, medium to coarse, Sand with some gray, fine, gravel, saturated	1
-		34		0.0	jorovin, interiori to course, cana with some gray, time, grayer, suturated	
56.0		26				
30.0	29	50/.3	1.2	0.0	Same as above	
57.0	49	NA	1.2	0.0	Same as above	Anan mindina
37.0		NA				Auger grinding
58.0						into cobble or
38.0	20	NA 21	1 1	0.0		boulder 56'-58'
50.0	30	21	1.1	0.0	Same with fine to medium gravel	
59.0		39				
		35				
60.0		NA				
	31	50	0.4	0.0	Same with medium to coarse gravel	
61.0		36				
Ĺ		26				
62.0		25				
	32	NA	0.7	0.0	Same as above	
63.0		NA				
		NA				
64.0		NA			64.0'	
					Boring terminated at 64.0'	
65.0						
66.0						
					•	
67.0						
3,,0						
68.0						
00.0						
69.0						
09.0					3.6	
70.0					Monitoring well set at 64', 10 ft of 0.01" screen, 54'-64'	
70.0					Sand pack 52'-64', Bentonite seal 47'-52', Concrete 0-47'	
71.0				-		
71.0						
70.0						
72.0						

### TEST BORING LOG

PROJ	ECT:	Prelimi	inary S	ite Assessi	ment	Sheet 1 of 1
CLIE		Cooper				
				310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	JNG RI	G;	CME	· · · · · · · · · · · · · · · · · · ·	2' SS 4 1/4" ID NA NA	DATE: 11/2/05
DRILI	.ER:		Lyon	Drilling	INSPECTOR: Jennifer L. Hull	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)		
<u> </u>					SOIL DESCRIPTION	REMARKS
	1	2	1.7	0.0	Black, fine, Foundry Sand, moist, no odors	-
1.0		3				
		5				
2.0		6				
	2	9	1.6	0.9	Sames as above, dry, slight degraded petroleum odor	
3.0		16			, ,,, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************
-		21				***************************************
4.0		20		<del></del>		
4.0	3	13	1.5	5.5	S	
5.0	3		1.5	3.3	Same as above, moist	
5.0		21				
<u> </u>		23				
6.0		43				
	4	21	1.6	0.0	Same as above, no odors	
7.0	i 1	13				
		14			7.5	,
8.0		22			Gray, medium, Sand and Gravel fill, moist, slight degraded petroleum odo	1
	5	11	0.8	0.0	8.5	ł
9.0		12		0.0	Black, fine, Foundry Sand, saturated, slight degraded petroleum odor	1
1		6		0.0	Simon, raiso, roundry Sund, sundraised, single degraded perforciant outs	
10.0		5				
10.0	6	4	0.8	0.0		
11.0	0		0.0	0.0	Same as above with trace wood debris	
11.0	ļļ	18				
		6				
12.0		3				
	7	3	1.2	15.7	Same as above with trace wood and plastic debris	
13.0		8				
		38				
14.0		5			14.0	
					Boring terminated at 14.0'	
15.0						
10.0						
16.0					Monitoring well set at 14 !	
10.0					Monitoring well set at 14 '	
177.0					10 ft of 0.01" screen, 4'-14'	
17.0				-	Sand pack 3'-14'	
10.5					Bentonite seal 2'-3'	
18.0					Concrete 0-2'	

### TEST BORING LOG

•					BORING NO.: MW-14	
	ECT:			ite Assessı	ment	Sheet 1 of 1
CLIE		Coope				
				310025P	CAMBIED DITTUTE CORE CARRIO	
	JING M	ETHOD	CME	H.S.A	SAMPLER BIT SIZE CORE CASING 2' SS 4 1/4" ID NA NA	DATE: 11/2/06
DRILI		10.		Drilling	INSPECTOR: Jennifer L. Hull	DATE: 11/2/05
DEPTH	SAMPLE	BLOWS	REC.	PID	THO E DO LOTE, VOIDING B. THEN	
IN FT.	NO.	PER	1420.	READING		
		6"		(ррт)		
					SOIL DESCRIPTION	REMARKS
	1	1	0.8	1.5	Brown, Topsoil, moist, no odors 0.5'	
1.0		5		1.5	Black, fine, Foundry Sand with some medium, Gravel, moist, no odors	
<u></u>		11				
2.0		15				
	2	23	1.0	1.7	Same as above	
3.0	<u> </u>	20	<u> </u>		Same as above with trace yellow fill material and trace slag,	
<u> </u>		20			moist	
4.0		19				
	3	1	1.3	1.8		
5.0		1			Same as above with no Fill, saturated and with slight degraded	
ļ		1			petroleum odor	
6.0		4				,
	4	1	1.5	0.0	Same as above, no odors	·
7.0		1				
		1				
8.0		1	4.0	2.2		
	5	1	1.8	0.0	Same as above, slight degraded petroleum odor	
9.0		1				
100		1				
10.0		1	1 7	0.0		
11.0	6	1	1.7	0.0	Same as above, trace slag	
11.0		2		-		
12.0		2	<b>-</b>			
12.0	7	1	1.0	0.0	Sama as abaya	
13.0	-	1	1.0		Same as above 12.5' Brown, Peat with some light gray organic material, damp	
13.0		2		0.0	Diown, real with some light gray organic material, damp	
14.0		1		-	14.01	
17.0		1			Boring terminated at 14.0'	
15.0					Doring terminated at 14.0	
10.0						
16.0					Monitoring well set at 14 '	
10.0					10 ft of 0.01" screen, 4'-14'	
17.0					Sand pack 3'-14'	
12.0					Bentonite seal 2'-3'	
18.0					Concrete 0-2'	

#### TEST BORING LOG BORING NO.: OW-1

PROJ	ECT:	Prelimi	inary S	ite Assess	ment	Sheet 1 of 1
CLIE		Cooper				
DELT	'A PRC	DJECT 1	VO: 0	310025P		
DRILI	JNG M	ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	JNG RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/3/05
DRILI	ER:		Lyon	Drilling	INSPECTOR: Jennifer L. Hull	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)		
			L		SOIL DESCRIPTION	REMARKS
<u> </u>	1	2	1.3	0.0	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
1.0		3				
		6				
2.0		10				
	2	8	1.2	5.5	Same as above with trace gray, medium gravel and trace slag	
3.0		5			1	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th
		17				
4.0		30			1	
	3	0	0.7	0.5	Saturated at 4.0'	
5.0		6	0.7	0.5		
3.0	<b></b>	3				
6.0		3			-	
0.0	4	4	0.8	0.0	Same as about	
7.0	4 .		0.0	0.0	Same as above	
7.0		32				
		2				
8.0		1				
	5	1	1.2	0.0	Same as above 8.5	<u>'</u>
9.0		1			Brown, Peat, damp, no odors	
		2				
10.0		1				
	6	1	0.3	0.0	Same as above	
11.0		2				
		2				
12.0		2			12.0	
					Boring terminated at 12.0'	1.
13.0						
14.0	_					]
11,0						
15.0						
10.0				:		
16.0					Monitoring well act of 101	
10.0					Monitoring well set at 12'	
17.0					10 ft of 0.01" screen, 2'-12'	
17.0					Sand pack 1.5'-12'	
100					Bentonite seal 0.5'-1.5"	
18.0					Concrete 0-0.5'	

# TEST BORING LOG BORING NO.: OW-2

PROJ				ite Assessi	ment	Sheet 1 of 1
CLIE		Cooper				
		· ·		310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	ING RI	G;	CME		2' SS 4 1/4" ID NA NA	DATE: 11/3/05
DRILL			Lyon	Drilling	INSPECTOR: Jennifer L. Hull	
	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
1		6"	ŀ	(ppm)		
		_			SOIL DESCRIPTION	REMARKS
	1	1	1.0	0.0	Black, fine, Foundry Sand with trace wood and trace metal, moist, no	
1.0		2			odors	
		3				
2.0		5				
	2	4	0.4	0.0	Same as above with trace plastic	
3.0		2				
		2				
4.0		2				
	3	4	0.8	0.0	Saturated at 4.0'	
5.0	-	6	0.0	0.0	Saturated at 4.0	
3.0		2				
60						
6.0		2				
	4	4	0.0	0.0	Same as above	
7.0		4				
		3				
8.0		3				
	5	1	0.8	0.0	Same as above	
9.0		1		·	9.0'	
		1		0.0	Dark brown, Peat, damp, no odors	
10.0		2				
	6	$\frac{-}{1}$	1.0	0.0	Same as above	
11.0		2		0.0	ound as above	
11.0		$\frac{2}{1}$	-+			
12.0	- 1	2			10.00	
12.0		4			12.0'	
12.0				-	Boring terminated at 12.0'	
13.0						
14.0						
15.0						
		1				
16.0					Monitoring well set at 12'	
			1		10 ft of 0.01" screen, 2'-12'	
17.0					Sand pack 1.5'-12'	
					Bentonite seal 0.5'-1.5"	
18.0	+				Concrete 0-0.5'	
20.0					OOMSTON O.D	

# TEST BORING LOG BORING NO.: OW-3

PROJ				ite Assessı	ment	Sheet 1 of 1
CLIE		Cooper				
				310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	JNG RI	iG:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/3/05
DRILL				Drilling	INSPECTOR: Jennifer L. Hull	
DEPTH	SAMPLE	BLOWS	REC.	PID		
in ft.	NO.	PER		READING		
		6"		(bbm)	CON PROCESSION	D = 1 5 1 D 7 10
		,		4.0	SOIL DESCRIPTION	REMARKS
	1	4	1.0	4.0	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
1.0		7				
		12				
2.0		6				
	2	3	1.0	12.1	Same as above with trace brown, sand fill and trace plastic	
3.0		4				
	М	5				****
4.0		6				
	3	1	1.6	7.4	Same as above	
5.0		2	1.0	7,51	baine as above	
3.0		6				
6.0		4	1.0	0.4		
	4	5	1.2	2.4	Saturated at 6.0'	
7.0		4				
		3				
8.0		3				
	5	1	0.5	0.0	Same as above with trace plastic, slight oily sheen	
9.0		1				
		4				
10.0		3				
	6	1	1.0	0.0	Same as above	
11.0		2				
1110		3				
12.0		3			12.01	
12.0		ار			Designs terminated at 12.0'	
12.0					Boring terminated at 12.0'	
13.0						
14.0						
15.0						
16.0					Monitoring well set at 12'	
					10 ft of 0.01" screen, 2'-12'	
17.0					Sand pack 1.5'-12'	
					Bentonite seal 0.5'-1.5"	
18.0	-				Concrete 0-0.5'	
10.0						

# TEST BORING LOG BORING NO.: OW-4

PROJ	ECT:	Prelim	inary S	ite Assessi	ment	Sheet 1 of 1
CLIE		Cooper			-	
DELT	`A PRC	JECT 1	VO: 03	310025P		
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
	JNG RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 11/2/05
DRILI	ER:		Lyon	Drilling	INSPECTOR: Jennifer L. Hull	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6*		(ppm)		
					SOIL DESCRIPTION	REMARKS
	1	2	1.4	0.0	Brown, Topsoil, moist 0.5	<u>'</u>
1.0		2		0.0	Black, fine, Foundry Sand with trace slag, moist	
		6				
2.0		7				
	2	4	0.6	0.0	Same as above	
3.0		8				
15.0		6				
4.0		7				
4.0	3		0.0	0.0		
5.0	3	2	0.9	0.0	Saturated at 4.0'	
5.0		2			•	
	ļ	2				
6.0		2				
	4	2	1.6	0.0	Same as above, slight degraded petroleum odor	
7.0		2				
		1				
8.0		2				
1	5	1	1.9	0.0	Same as above	
9.0		1	117	0.0	Damo as above	
7.0		2				
10.0						
10.0		4	1.0	0.0		
11.0	6	1	1.3	0.0	10.5	<u> </u>
11.0		1		0.0	Brown, Peat, damp, no odors	
		3			,	
12.0		3			12.0	1
					Boring terminated at 12.0'	
13.0						
14.0						
			<del></del>			
15.0						
13.0						
160					54 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	
16.0					Monitoring well set at 12'	
 					10 ft of 0.01" screen, 2'-12'	
17.0					Sand pack 1.5'-12'	
	İ				Bentonite seal 0.5'-1.5"	
18.0					Concrete 0-0.5'	<u>                                     </u>

		<u> </u>		BORING NO.: TP-I	
PROJ	ECT: Cr	ouse-Hin	ds		Sheet 1 of 1
CLIE	NT: Coo	er Indus	tries, Inc.		
INTE	GREYTE	D PROJ	ECT NO: 03	10025P	
EXCAVATION METHOD: Backhoe					DATE: 6-7-04
CONIT	RACTOR	, DEC		INSPECTOR: Mark J Schumacher	
_	KACION	FEC		INDI ECTOR, Mark a Dollar Month	
DEPTH		,	PID		
IN FT.			(ppm)		
				CON PROCEEDIAN	REMARKS
L				SOIL DESCRIPTION	KEMAKKS
			2	Black, Fill (foundry sand, brick, tr. Wood, slag, metal debris), oily	
1.0				odor	
					Sample TP-1
2.0			<u> </u>		1' - 11'
2.0	<del>                                     </del>			-	-
	<u> </u>				
3.0					
			.]		
4.0					1
		<del></del>		<b>1</b>	
5.0				-	İ
5.0	<b> </b>		·		
<u></u>			2	wet	
6.0	<u> </u>				
7.0					
<del></del>					
0.0	<b></b>				
8.0				4	
				_	•
9.0					
10.0				1	
	<del></del>			· ·	
11.0	-			1	
11.0	<u> </u>			_	
				10.01	
12.0	1			12.0'	
	T		0	Peat	
13.0				End Excavation 12.5'	
140				1	
14.0					
<u> </u>				4	
15.0					
		T			
16.0					
-0.0				<del> </del>	
15.0				-	
17.0				1	ļ
				<u> </u>	
18.0					

				political roll in a	Obact 1 of 1
	ECT: Crouse				Sheet 1 of 1
CLIE	VT: Cooper	Industries,	Inc.	LOOP TO	
	GREYTED			10025P	
EXCA	VATION ME	THOD: Ba	ckhoe		DATE: 6-7-04
				DIODEOTOR, Mark I Calamaghar	DA1B. 0-7-04
CONTRACTOR: PEC				INSPECTOR: Mark J Schumacher	
DEPTH			PID		
IN FT.			(ррш)		
				SOIL DESCRIPTION	REMARKS
			5	Black, Fill (foundry sand, tr. wood, slag, metal debris), oily	
-			3		
1.0			<u> </u>	odor	Sample TP-2
			ļ <u> </u>		1' - 8'
2.0				4	1 - 0
3.0					
4.0					
5.0					
			5	wet	
6.0					
	_   _			- -	
7.0					
710				-	
8.0					
0.0				- 8.	5'
9.0			0	Peat	
7.0			<u> </u>	End Excavation 9.0'	$\neg$
10.0					
10.0				1	
11.0					
11.0					
12.0	<del></del>				
12.0			<del>_</del>		
12 0					
13.0					
140					
14.0					
15.0			<del></del>		
16.0					1
7.0					
18.0					

PROJ	ECT: Cı	ouse-Hine	İs	BORING NO.: 11-3	Sheet 1 of 1
CLIE	NT: Coo	per Indust	ries, Inc.		
INTE	GREYT	ED PROJ	ries, Inc. ECT NO: 031	0025P	
EXCA	VATION	METHOL	): Backhoe		
					DATE: 6-7-04
CONTRACTOR: PEC				INSPECTOR: Mark J Schumacher	
DEPTH		1 , 1	PID		
IN FT.			(ppm)		
				SOIL DESCRIPTION	REMARKS
		-			KEMIAKKS
	<u> </u>		3_	Black, Fill (foundry sand, tr. wood, tr. core butts, metal debris),	
1.0	ļ			oily odor	a 1 mp 2
					Sample TP-3
2.0					1' -9.5'
3.0					
4.0					
5.0					
6.0					
	-		1	wet	
7.0				<b>i</b>	
8.0				·	
0.0					
9.0					
				9.5'	<b>i</b> •
10.0			0	Peat	j
10.0			<del> </del>	End Excavation 10.0'	
11.0			<del></del>	ZAM ZAM TOTO	
11.0		<del></del>			
12.0			<del> </del>		
12.0					
13.0					
13.0					
14.0					
14.0					
15 0					
15.0				·	
1.6					
16.0					
17.0					
18.0					

	ECT: Cr					Sheet 1 of 1
CLIE	NT: Coo	per Ind	lustries	, Inc.		
£				'NO: 031	10025P	1
EXCA	VATION	METH	OD; Ba	ckhoe		DATE: 6-8-04
CONT	RACTOF	D. DEC			INSPECTOR: Mark J Schumacher	DITIE. O G G !
DEPTH	RACTO	I		PID	THOI DOT OTH MARKY SOMEDWAY	
IN FT.				(ppm)		
				""		
Ì				<u></u>	SOIL DESCRIPTION	REMARKS
		,		23	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0					debris), oily odors, moist	
						Sample TP-4
2.0				237	petroleum odors	1' -8.0'
		]				·
3.0					wet, sheen on water surface	
				123		
4.0					two 55-gallon drums, empty	
		<u> </u>				
5.0				98		
6.0						
7.0				<u> </u>		
				15		<u> </u>
8.0			ļ			
			ļ			
9.0			ļ		9.0'	
			ļ	0	Peat	
10.0					77 177 110 01	
110					End Excavation 10.0'	
11.0				-		
10.0			-			
12.0						
12.0						
13.0			<del>                                     </del>			
140				*****		
14.0						
15.0						
13.0						
16.0						
10.0			<del>  </del>			
17.0						
17.0					·	
8.0						
0.0						

t 1 of 1
•
6-8-04
RKS
e TP-5
2-5-WC
)'
-
•

		*		BURING NU.: 17-0	
PRO.	ECT: C	crouse-H	inds		Sheet 1 of 1
CLIE	NT: Co	oper Ind	ustries, Inc.		
INTE	GREY	ED PRO	OJECT NO: 03	10025P	
			OD: Backhoe		
DAG	111110	11111111111			DATE: 6-7-04
CONT	RACTO	D · DEC		INSPECTOR: Mark J Schumacher	
_	I KACIO	K. FEC	<del>, , , , , , , , , , , , , , , , , , , </del>	11451 LCTOR, Ivalia / Bollamaciko	
DEPTH			PID		
IN FT.	1		(ppm)		
				COXY PROCEEDINGS	DEMARKO
				SOIL DESCRIPTION	REMARKS
			5	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	<u> </u>	1		debris), oily odors, moist	
11.5		1		<b>d</b> " • • • • • • • • • • • • • • • • • •	Sample TP-6
<u></u>	1		- <del>  </del>	-	and TP-6-WC
2.0	ļ	<u> </u>		_	•
		·	16		0' -11.5'
3.0					
	1				
4.0		<del>                                     </del>			
7.0		<del> </del>		-	İ
			1.5	<b>-</b>	
5.0	<u> </u>		15		
			1 1		
6.0					
<del></del>	<u> </u>	<b>-</b>			
7.0		<del> </del>		-	
7.0	ļ	<b>↓</b> ——	<u> </u>	4	İ
		<u> </u>			
8.0	<u> </u>				
		T	4		<u> </u>
9.0		1		7	
7.0				<del>-</del>	
10.0	<del> </del>	<del> </del>	<del>  </del>		
10.0				wet, oil sheen on water surface	0.51
					0.5'
11.0	ĺ		0	Gray, Med. Sand and F Co. Gravel, some cobbles, wet	
-				] 1	.1.5'
12.0				End Excavation 11.5'	
12.0					
10.0		-		-	
13.0		<b> </b>			
					•
14.0					
15.0					
15.0				1	
16.0					
17.0					
- / .0					
10.0					
18.0					

					BURING NU.: TP-7	
PRO.	ECT: C	rouse-F	linds			Sheet 1 of 1
	NT: Co			, Inc.		
INTE	GREYT	ED PR	OJECT	NO: 031	10025P	
	VATIO					
27.07		. 21223 22				DATE: 6-7-04
CONT	RACTO	R · PEC			INSPECTOR: Mark J Schumacher	
	1	1	1	PID		
DEPTH		'				
IN FT.	ŀ			(bbm)		
		Į			SOIL DESCRIPTION	REMARKS
<u> </u>			-	5	Black, Fill (foundry sand, tr. wood, , tr. core butts, tr. brick, metal	
<u> </u>	<u> </u>		<del> </del>	3		
1.0		↓	_[	<u> </u>	debris), oily odors, moist	0 1 700 7
		<u> </u>				Sample TP-7
2.0						and TP-7-WC
		1		.10	,	0' -13.0'
3.0	1				1	
F	1	1	<del>                                     </del>	†——	•	]
4.0	<del> </del>	<del>                                     </del>	+-		†	
4.0	<del>                                     </del>	<del> </del>	<del> </del>	<del>                                     </del>	-	
-	<b>_</b>	<u> </u>	+			
5.0	<u> </u>	ļ		ļ		
	ļ	<u> </u>				
6.0						
7.0		İ		i "		
	1					
8.0		<del>                                     </del>	1		1	ļ
0.0			┨───	4		
~~	<del> </del> -		<del> </del>			
9.0		<u> </u>	—			
		<u> </u>				
10.0						
	ļ	ļ				
11.0						
12.0						
,						
13.0					13.0'	
15.0				0	Gry, Med. Sand and F Co. Gravel, wet	
110			1		End Excavation 13.5'	
14.0			ļ		End excavation 15.5	
15.0			<u> </u>			
16.0						
				****		
17.0						
17.0			<del>                                     </del>			
10.0					1	1
18.0						

PROJE					. DOMINO NO. 11-0	Sheet 1 of 1
CLIEN	VT: Co	oper Inc	dustries	, Inc.		
				'NO: 03	10025P	<del>-1"</del>
EXCA	VATIO	MEH	HOD: Ba	ecknoe		DATE: 6-7-04
CONTR	RACTO	R: PEC	-		INSPECTOR: Mark J Schumacher	
DEPTH	01010	T		PID		
IN FT.				(ppm)		
			<u> </u>		SOIL DESCRIPTION	REMARKS
				1	Black, Fill (foundry sand, tr. wood, metal debris),	
1.0		<del> </del>		<u> </u>		Comple TD 0
		<del> </del>	<del> </del>		-	Sample TP-8 and TP-8-WC
2.0			+	-		0' -3.0'
3.0		╁┈┈	+-	<del>                                     </del>	3.0	
3.0		┼──		0	Red-Brown, Clay, hard, dry	
4.0		<del> </del>	+	<u> </u>		
1.0		┼~~	1	<del>                                     </del>	-	
5.0		†				
						<b>[</b>
6.0			<u> </u>		6.0	J
					End Excavation 6.0'	
7.0						
8.0		<u> </u>	ļ	<u> </u>		
			ļ			
9.0		<u> </u>				
100			-			
10.0			<del> </del> -	<u> </u>		
11.0			-			
11.0			-			
12.0		<b>-</b>	<del> </del>			
12.0						
13.0						
14.0						
					·	
15.0						
6.0		·				
7.0						
		<u>,</u>				
8.0						

				BURING NU.: 11-9	
PROJ	ECT: Cr	ouse-Hinds			Sheet 1 of 1
CLIE	NT: Coo	per Industri	es, Inc.		
INTE	GREYT.	ED PROJEC	CT NO: 031	0025P	
EXCA	VATION	METHOD:	Backhoe		
					DATE: 6-7-04
CONT	RACTO	R: PEC		INSPECTOR: Mark J Schumacher	
DEPTH		] . I	PID		
IN FT.			(ppm)		
				SOIL DESCRIPTION	REMARKS
			5	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	·	<del>                                     </del>		debris), oily odors, moist	
1.0		<del> </del>			Sample TP-9
					0' -15'
2.0	<del> </del>	<del> </del>			10 15
<u> </u>				· ·	,
3.0	<u> </u>				
	<u> </u>				
4.0					
	1				
5.0				1	
-		<del>                                     </del>		1	,
6.0		<del>                                     </del>			
0.0			<del></del>	1	
<b>5</b> 0				-	
7.0					
8.0		· .			
9.0					
10.0					
~ ~		<del>  </del>		·	
11.0		<del></del>		1	
11.0				1	
10.0					J
12.0		<del> </del>			
				wet, sheen on water surface	
13.0					J
14.0					
					ļ
15.0					
-2.0				End Excavation 15.0'	
160				3	1
16.0			<del> </del>		İ
17.0					
18.0					

			BURING NO.: 11-10	
	ECT: Crouse-Hinds			Sheet 1 of 1
CLIEN	NT: Cooper Industries, In	ıc,		
INTEC	GREYTED PROJECT N	O: 031	0025P	
	VATION METHOD: Backl			
				DATE: 6-7-04
CONTR	RACTOR: PEC	<del></del>	INSPECTOR: Mark J Schumacher	
	VIOTOR. 120	PID		
DEPTH				
IN FT.		(ppm)		
			SOIL DESCRIPTION	REMARKS
				KENKKKI
		4	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0			debris), oily odors, moist	
				Sample TP-10
2.0			<sup>1</sup>	and TP-10-WC
				0' -15.0'
2 ~				
3.0		10	-	
		10		
4.0				
5.0				
-			1	
6.0				
6.0				
	·			
7.0			·	
		15		
8.0				
9.0		-		
2.0				
100				
10.0				
11.0				
12.0				
12.0				
13.0				1
14.0				
15.0		1		
			End Excavation 15.0'	
160			Line Linear ation 1000	
6.0				] [
7.0				
8.0				

PRO.	ECT: C	Crouse-Hir	nds	BOKING NO., 11-11	Sheet 1 of 1
CLIE	NT: Co	oper Indu	stries, Inc.		201107 - 201107 - 201107
			JECT NO: 03	10025P	
EXC/	OITAVA	N METHO	D: Backhoe		DATE: 6-7-04
CONT	ED A CTC	R: PEC	<del></del>	INSPECTOR: Mark J Schumacher	DATE: 0-7-04
	T	R. PEC	PID	INOT DOTOK, Walk 9 Schumacher	
DEPTH IN FT.	1	,	(ppm)		
			( Gp,		
				SOIL DESCRIPTION	REMARKS
			2	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	1			debris), oily odors, moist	
					Sample TP-11
2.0					0' -14.5'
	†				
3.0	†			7	
	1	† †	7		
4.0		1			
5.0		1			
		1		•••	
6.0		1 1		-	
		<del>  </del>		†	
7.0				<b>-</b>	
7.0		1	5	trace plastic wrap	
8.0		<u> </u>		wet	
		1			
9.0					
J.0				†	
10.0			-		
10.0				-	
11.0		<del>                                     </del>			
11.0		<del>                                     </del>		<del>-</del>	
12.0					
		<del>  -</del>			
13.0				-	
		<del>                                     </del>		<u>'</u>	
14.0		1			
				14.5	,
15.0		<del>  -</del>	0	Peat, wet	
25.0		<del>                                     </del>		End Excavation 15.0'	†
16.0				,	
. 5.0		<del>                                     </del>			
7.0					
8.0		-			
		L	1		<u> </u>

	JECT: C					Sheet 1 of 1
CLIE	NT: Co	oper Inc	dustries	, Inc.		
				NO: 031	10025P	1
EXC	EXCAVATION METHOD: Backhoe					DATE: 6-8-04
CON	TRACTO	R · PEC			INSPECTOR: Mark J Schumacher	DATE: 0-6-04
DEPTH	· · · · · · · · · · · · · · · · · · ·	1.100	1	PID		
IN FT.				(ppm)		
					SOIL DESCRIPTION	REMARKS
			<u>.</u>	10	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	<u> </u>				debris), oily odors, moist	
	<u> </u>	<u> </u>				Sample TP-12
2.0	ļ			17		1' -11.0'
		<u> </u>	<u> </u>		·	
3.0	<u> </u>	-	_	<del>                                     </del>	4	
4.0						
4.0	<del> </del>		-	17		
<i>5</i> 0			<del>                                     </del>	17		
5.0			<del> </del>	1		ļ
6.0	ļ	-			••	
0.0		<del> </del>			-	
7.0			-		•	
7.0			+			
8.0		<del> </del>	<del> </del>		1	
0.0			<del> </del>		<u>.</u>	
9.0						
		<del>                                     </del>	<del> </del>			
10.0	<b></b>					
					10.5	ľ
11.0				0	Peat	]
					End Excavation 11.5'	]
12.0						
					·	
13.0						<u> </u>
14.0						:
			<u> </u>		•	
15.0						
16.0						
	:					
7.0	•					
00						
8.0						

					BURING NU.: 11-13	
	ECT: C					Sheet 1 of 1
CLIE	NT: Coc	per Indu	ıstries, In	ıc.		
INTE	GREYT	ED PRO	JECT N	O: 031	0025P	
EXCAVATION METHOD: Backhoe						
						DATE: 6-8-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH		1		PID		
IN FT.		'		(ppm)		
					SOIL DESCRIPTION	REMARKS
$\vdash$		<del> </del>		0	Tan, F. Sand and Fill (household refuse, glass, metal cans, paper	
1.0	<del>                                     </del>	<del> </del>	<del>                                     </del>		,plastic), tr. Core butts, metal debris, dry	
1.0	<del> </del>	╀			, plastic), it. Core butts, metal deoris, dry	Sample TP-13
		ļ				and TP-13-WC
2.0		ļ				5
					<u></u>	1' -12.0'
3.0				2		
					1	
4.0				-	1	
<del>                                     </del>	<del>                                     </del>	1				
5 0	<del> </del>	<del>                                     </del>		0		
5.0	<u> </u>	<u> </u>		<u> </u>	4	
		<u> </u>				
6.0					·	
Ì						
7.0						
						-
8.0	<del> </del>			0		
0.0			<del></del>		·	
0.0						
9.0	<u> </u>					
	<u> </u>					
10.0		<u> </u>				
11.0						
				·• "		
12.0				0	wet	
12.0				<del>-</del>		
12.0						
13.0					End Excavation 13.0'	Ì
		ļļ			ENG EXCAVATION 13.0	
14.0			_			
						j
15.0						
16.0						
10.0		<del></del>				
17.0						
17.0						
18.0						

					BURING NU.: 11-14	
	ECT: C					Sheet 1 of 1
CLIE	NT: Co	oper Inc	dustries	, Inc.		
				NO: 03	10025P	
EXCA	VATIO	N METI	HOD: Ba	ckhoe		
						DATE: 6-8-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH				PID		
IN FT.		'		(ppm)		
		1			SOIL DESCRIPTION	REMARKS
		1		1	Fill (household refuse, glass, metal cans, paper, plastic), dry	
1.0	1	1				
1.0				<del> </del>	-	Sample TP-14
20	<del> </del>	-	+	<del> </del>	<u>-</u>	and TP-14-WC
2.0	ļ	<u> </u>				
	<u> </u>				·	1' -7.0'
3.0				3		
4.0		1				
		<del>                                     </del>		<del> </del>	1	
5.0		-	+	1	-	
5.0		<del> </del>		, <u>1</u>	-	
		<u> </u>				
6.0						
7.0						
			1			
8.0		1		0	<b>1</b> 8.0	,t
0.0		<u> </u>	<del>-</del>	<u>`</u>	Peat	1
0.0		1	<del> </del>	<u> </u>	End Excavation 8.5'	-{
9.0		<u> </u>	1		End Excavation 6.5	
		ļ	1			
10.0						
			İ			ĺ
11.0						
12.0						
12.0		<b> </b>	<del>   </del>			
12.0			+			
13.0			<b>  </b>			
14.0			<u> </u>			
15.0						
6.0			<del>  </del>			
0.0						
			<b>├</b> ──			
7.0						
8.0						
			<u> </u>			

				BUKING NU.: 1P-15	yanggipan gadas ("aaan aa a tariga, arrangaa aa aa aa aa
PRO	ЈЕСТ: С	rouse-Hi	nds		Sheet 1 of 1
			istries, Inc.		
INTE	GREYT	ED PRO	JECT NO: 0	310025P	
			D: Backhoe		
			· · · · · · · · · · · · · · · · · · ·		DATE: 6-8-04
CON	TRACTO	R: PEC		INSPECTOR: Mark J Schumacher	
DEPTH			PID		
IN FT.		İ	(ррт)		
				SOIL DESCRIPTION	REMARKS
	1		1	Fill (household refuse, glass, metal cans, paper, plastic), dry	
1.0		<del> </del>			
1.0					Sample TP-14
2.0				-	1' -9.0'
2.0	-				1 -2.0
				<u> </u>	
3.0	<del> </del>		2	<u> </u>	
<u> </u>				$oldsymbol{oldsymbol{oldsymbol{eta}}}$	1
4.0					
					]
5.0			3		
<u> </u>				7	
6.0				<del></del>	
0.0	<del> </del>			- <del> </del>	
7.0	-			$\dashv$	
7.0	ļ			_	
		ļ		4	
8.0	ļ <u>.</u>		0		
	<u> </u>				
9.0	<u> </u>			9.0	<u>"</u>
			0	Peat	_]
10.0				End Excavation 9.5'	
11.0					
	<u> </u>				
12.0			<del>-   -</del>		
12.0	-			<b></b> .	
12.0				-	
13.0	<del> </del>	<b></b>		-	
				_	
14.0			<u> </u>	_	
15.0		[			
16.0				1	
17.0				1	
17.0		<del></del>			
				-	1
8.0					

		•		BORING NO.: TP-16			
PROJECT: Crouse-Hinds Sheet 1 of 1							
			stries, Inc.				
INTE	REYT	ED PRO	JECT NO: 03	10025P			
			D: Backhoe				
					DATE: 6-8-04		
CONTRACTOR: PEC				INSPECTOR: Mark J Schumacher			
DEPTH PID							
IN FT.		'	(ppm)				
2111.			] ",				
				SOIL DESCRIPTION	REMARKS		
			7	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal			
1.0			<del></del>	debris), oily odors, moist			
1.0		<del> </del>			Sample TP-16		
				<b>-</b>			
2.0			9	_	and TP-16-WC		
				<u> </u>	1' -15.0'		
3.0							
4.0		· ·		•			
			5				
5.0				-			
3.0					,		
<b>.</b>		-		_			
6.0							
7.0		_					
				·			
8.0			7				
				7			
9.0							
<del>5.0</del>				-			
100				4			
10.0				-			
				4			
11.0							
12.0				wet, sheen on surface water			
				·			
13.0				1			
14.0	<del></del>			1			
17.0				4			
				-			
15.0				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		_		End Excavation 15.0'			
16.0							
7							
7.0		-					
				1			
8.0							
3.0	<u></u>		<u> </u>				

				BORING NO.: 1P-17	
PRO.	JECT: Cro	ise-Hinds			Sheet 1 of 1
CLIE	NT: Coope	er Industrie	es, Inc.		· · · · · · · · · · · · · · · · · · ·
			T NO: 03	0025P	,
EXCAVATION METHOD: Backhoe			Backhoe		D 4 50 C 0 C 4
					DATE: 6-8-04
CONTRACTOR: PEC				INSPECTOR: Mark J Schumacher	
DEPTH			PID		
IN FT.		İ	(ppm)		
				A A Y Y D D C C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D TO C Y Y D	DEMINIO
				SOIL DESCRIPTION	REMARKS
			0	Fill (household refuse, glass, metal cans, paper, plastic), dry	
1.0					
				1	Sample TP-17
2.0	1 1			some peat	and TP-7-WC
F	┼┈┤		-		1' -11.0'
3.0	<del>  -</del>	<del></del>		1.	
٠.٠	<del>                                     </del>		-	-	
40	-				
4.0	<del>  -</del>			-	
				4	
5.0	<u> </u>		0		
6.0					
7.0					
8.0	<del>                                     </del>		0		
0,0	<del>                                     </del>			1	
9.0					
7.0	<del>  -</del>			1	
10.0		<u> </u>	<del>                                     </del>		
10.0	<del>                                     </del>				
11.0	<del> </del>	<del></del>		11.0'	
11.0			1		{
			0	Peat	
12.0	<u> </u>			End Excavation 11.5'	
-				·	
13.0					
					,
14.0					
15.0					
~ - 10	<del>                                     </del>	<del></del>	<del>                                     </del>		
160	<del>                                     </del>				
16.0		<del></del>	-	·	<b> </b>
17.0	-		<del> </del>		
17.0					
			1		
18.0					

### INTEGREYTED INTERNATIONAL, LLC

### TEST PIT LOG BORING NO.: TP-18

	PROJECT: Crouse-Hinds								
CLIEN	Т: Соор	er Indust	ries, Inc.		16.0				
			ECT NO: 031	10025P					
EXCA	VATIONI	METHOL	): Backhoe		DATE: 6-8-04				
CONT	RACTOR:	PEC	<del></del>	INSPECTOR: Mark J Schumacher	DATE OF CO.				
DEPTH	u loron.	1	PID						
IN FT.		, ]	(ppm)						
		1							
				SOIL DESCRIPTION	REMARKS				
			0	Fill (household refuse, glass, metal cans, paper, plastic), dry					
1.0					G 1 500 10				
					Sample TP-18				
2.0					1' -10.0'				
				-					
3.0			0		1				
				-					
4.0		<del> -</del>		4					
5.0			0						
5.0	<del></del>		U	-					
6.0									
6.0									
7.0		<del></del>							
7.0									
8.0			0						
0,0									
9.0									
					ļ				
10.0				10.0					
			0	Peat	]				
11.0				End Excavation 10.5'					
12.0									
13.0									
		_			} 				
14.0									
5.0									
6.0					•				
7.0									
00					:				
8.0			<u> </u>						

### INTEGREYTED INTERNATIONAL, LLC

### TEST PIT LOG BORING NO.: TP-19

DDO	Sheet 1 of 1					
	JECT: C			Inc		Sheet I of I
DITT	NT: Co	oper me	OTECT	NO: 031	INNOSP	
	AVATIO				100231	
EACA	AVAIIO.	NIVIETT	IOD. Da	CKIIOC	<u> </u>	DATE: 6-8-04
CONT	TRACTO	D. DEC			INSPECTOR: Mark J Schumacher	BILLET O O O .
	IICACIO	R. I DC	1	PID	THOI DOTOR, MARKY SOMETHINGS	
DEPTH IN FT.				(ppm)		,
IN F1,				Фрил		
	1			]	SOIL DESCRIPTION	REMARKS
_	<del>                                     </del>	+		0	Brown, Silt and Clay with some Fill (household refuse, glass	
1.0	<del> </del>				metal cans, paper, plastic), dry	
1.0	+	+	<del>- </del>		Thotal cans, paper, plastic), ary	Sample TP-19
2.0	<del> </del>		-	1	-	1' -8.0'
2.0	<u> </u>		<del> </del>	<u> </u>		1 -0.0
		<u> </u>	<del> </del>		·	•
3.0						
<u> </u>		<u> </u>			<u>.</u>	
4.0		1				
	<u> </u>					
5.0				0		
		Ī				
6.0		1			<b>1</b>	1
	1					
7.0	<u> </u>		<del>  "</del>		1	
7.0	1	<del> </del>				
8.0	<u> </u>	<del>                                     </del>		0	1	
0.0		<del> </del>			End Excavation 8.0'	-
9.0	-	┼──	<del>                                     </del>		Lind Excavation 6.6	
9.0		<del> </del>				
100		ļ				
10.0		<u> </u>	1		·	
		ļ	<del>                                     </del>			
11.0	<u> </u>					
			ļ			
12.0						1
13.0						
						·
14.0						
		<u> </u>				
15.0						
16.0						
. 0.0						
7.0			<del></del>			
1 / · U						
8.0						

					TEST PTI NO.; TP-20		
	ECT: C						Sheet 1 of 1
CLIE	NT: Coo	per Ind	lustries	, Inc.			
DELT	A PRO	JECT N	VO: 03	10025P			
	VATIO					_	
							DATE: 10-24-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull		
DEPTH	1	1	T	PID			
IN FT.	ĺ			ļ			
IN FI.				(ppm)			
					COH DECONYDUON		DEMADIZO
ļ			4		SOIL DESCRIPTION		REMARKS
				0.0	Brown, Topsoil, moist		
1.0						1.0'	
	1			0.7	Black, fine, Foundry Sand, dry, degraded petroleum odor		
2.0	<del>                                     </del>	<del> </del>	+	1			
2.0	-	+					
	ļ	<del> </del>			4		
3.0		ļ			_		
4.0						İ	
		<del>                                     </del>	<del></del>	†	1		
5.0		+	+-	-	-		
5.0	<u> </u>	<b>_</b>	-		4		
<u> </u>			<u> </u>	0.0	Same as above		
6.0							
			1		1		
7.0		1	<del>                                     </del>	<del> </del>	7		
7.0	<b></b>	ļ	+	-			
-		-		<u> </u>			
8.0						3.0'	
				0.0	Brown, Peat, damp, no odors		
9.0						0.0	
	<u> </u>		1		Excavation terminated at 9.0'	$\overline{}$	
10.0				<del> </del>	- Lindivation to minuted at 0.0	l	
10.0		<u> </u>	╄		4		
		ļ	ļ			ļ	
11.0							
12.0				1	<b>1</b>		
		<b> </b>	+-		-		
12.0		<u> </u>	<del> </del>		•		
13.0			1		-	1	
			ļ		]		
14.0							
15.0			<b> </b>		<u>,</u>	ı	
15.0							
					4		
16.0							
17.0					1	- 1	
- / . 0			<del> </del>			-	
100			-	<u></u>			
18.0						l	

	ECT: Crouse-H		1E51111 NO.: 11-21	· Sheet 1 of 1
CLIE	VT: Cooper Ind	ustries, Inc.		
	A PROJECT N			
EXCA	VATION METH	OD: Backhoe		
CONT	RACTOR: PEC		INSPECTOR: Jennifer L. Hull	DATE: 10-24-05
DEPTH	RACTOR, FEC	T DIE	INSPECTOR, Jehnifel L., Hull	
IN FT.		PID (ppm)		***
	,	(ppm)		
			SOIL DESCRIPTION	REMARKS
		0.0	Brown, Topsoil, moist 0.	
1.0				
		6.7	Black, fine, Foundry Sand with little fill (gray and green	
2.0			debris), strong degraded petroleum odor throughout	
-				
3.0			-	
3.0				
4.0			-	
4.0		6.7	Andread medical access with a second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant of the second constant	
		6.7	Moist, petroleum sheen on water seeping into hole	
5.0				
- 1			· 	
6.0				
7.0				TP-21 sampled
				2'-13'
8.0				
9.0				****
			1	1
10.0				
11.0			1	
		0.0	Saturated at 11.0'	
12.0		- 0.0		
12.0				
13.0			12.4	\ <sub>1</sub>
10,01		0.0	Brown Peat down	<u> </u>
14.0		0.0	Brown, Peat, damp	[
14.0			14.0	<u>'</u>
150			Excavation terminated at 14.0'	
15.0				
1.5.1				
16.0				
17.0				
18.0				1

DDAT	ECT. Construction 1		TEST PIT NO.: TP-22	01
	ECT: Crouse-Hinds			Sheet 1 of 1
CLIEN	NT: Cooper Industries, Inc	). 0.55		·
	A PROJECT NO: 03100			
EXCA'	VATION METHOD: Backh	oe		
	, , , , , , , , , , , , , , , , , , ,			DATE: 10-24-05
CONTI	RACTOR: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH		PID		
IN FT.		(ppm)		
ļ			SOIL DESCRIPTION	REMARKS
		0.0	Brown, Topsoil, moist 0.8	
1.0				
1.0		0.0	Diggir fine Ferraday Sand majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de majet de maje	
20		0.0	Black, fine, Foundry Sand, moist, degraded petroleum odor	
2.0				
3.0				
4.0				
5.0		******		
3.0				***************************************
		0.0	Same as above	
6.0				
				ļ
7.0				***
8.0		· · · ·		
8.0				
0.0		,		
9.0				
10.0				
		0.0	Wet at 10.0'	
11.0				
12.0				
12.0				
10.5				
13.0			13.0	<u> </u>
		0.0	Brown, Peat, damp	
14.0			14.0	<b>'</b>
			Excavation terminated at 14.0'	1
15.0				
12.0				
160				
16.0				
		]		ļ
17.0				
18.0				

					1EST 111 NO.: 11-25		
	ECT: C						Sheet 1 of 1
CLIE	NT: Coo	oper Inc	lustries,	, Inc.			
				10025P			
EXCA	VATIO	N METH	IOD: Ba	ickhoe			
							DATE: 10-24-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull		
DEPTH				PID			
IN FT.				(ppm)			
1			1				
					SOIL DESCRIPTION		REMARKS
				0.0	Brown, Topsoil, moist	0.5'	
1.0		1		4.5	Black, fine, Foundry Sand with some fill (grey debris, brick,		
	l	<b>†</b>	+		glass and metal debris), dry, slight degraded petroleum odor		
2.0			<del></del>	<del> </del>	grass and metal deoris), dry, siight degraded perforeum odor		
2.0		<del>- </del>	-	<del> </del>	4		
		<del> </del>		<u> </u>	4		
3.0							
		<u> </u>					
4.0							
					1		
5.0					1		TP-23 sampled
		<del>                                     </del>	<del> </del>	1			2'-7'
6.0		<del> </del>	+				2-1
0.0		<del> </del>	<u> </u>			l	
		<u> </u>					
7.0							
8.0						B.O'	
		1	1	0.0	Dark brown, Peat, damp		
9.0						9.0'	
		<del>                                      </del>	<del> </del>		Excavation terminated at 9.0'	9.0	
10.0		<del> </del>		<u> </u>	Licavation terminated at 9.0		
10.0				<u> </u>	4		
11.0							
		l			·		
12.0							
						Ì	
13.0					·		
14.0					1		
14.0		<del>                                     </del>					
		ļ					
15.0							
			<u>L</u> ]				
16.0							ļ
17.0	-						
11.0			<del>                                     </del>				
100							
18.0							

DD O I	DOT 0	T 3			1EST PTI NO.: 1P-24	
	ECT: C			Υ		Sheet 1 of 1
	NT: Coo					
	VATIO					1
EXCA	VATIO	NICIE	OD: Ba	cknoe		DATE: 10.04.05
CONT	RACTO	D. DEC			INSPECTOR: Jennifer L. Hull	DATE: 10-24-05
	KACIO	K: PEC	<del></del>	1	INSPECTOR: Jennier L. Huii	
DEPTH				PlD	·	
IN FT.				(ppm)		
			Ì		SOIL DESCRIPTION	REMARKS
<b>-</b>		+		0.0		REMIARAS
1.0	<u> </u>	<del> </del>	+		Dark Brown, Topsoil, moist 0.4'	
1.0		-		15.7	Black, fine, Foundry Sand with little fill (hardened paint,	
	ļ	1			concrete castes, and slag), moist, moderate degraded petroleum	
2.0		ļ			odor	<u> </u>
	<u> </u>					Armanusty
3.0		1			_	i .
4.0	<u> </u>	1				
				15.0	Same as above	
5.0		T			]	
		1				
6.0					6.0'	
		1	1	0.0	Brown, Peat, damp	
7.0		<u> </u>		-	7.0'	
7.0		-	-		Excavation terminated at 7.0'	
8.0	-	<del> </del>	-		Excavation terminated at 7.0	
0.0		<del> </del>	<u> </u>	<i>·</i>	<del> </del>	
9.0		<del> </del> -				
9.0		<del> </del>		<u> </u>		
100	<u> </u>	<b> </b>	ļ			
10.0			ļ			
11.0						
12.0	<u> </u>					
13.0						
					·	
14.0		[				
15.0						
			<del>  </del>			
16.0						
. 0.0			<del>  </del>			
170					·	
17.0						
100						
18.0						

PROJ	ECT: C	rouse-H	Iinds		1E51 111 NO., 11-25	Sheet 1 of 1
CLIE	NT: Coo	oper Inc	lustries	, Inc.		520001 07 1
DELT	A PRO	JECT N	IO: 03	10025P	<u> </u>	***
EXCA	VATIO	N METH	IOD: Ba	ackhoe		
						DATE: 10-24-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.		ĺ		(ppm)		
	1					,
					SOIL DESCRIPTION	REMARKS
				0.0	Dark brown, Topsoil, moist	
1.0					1.0	
				0.0	Black, fine, Foundry Sand with some fill (metal, glass and brick	1
2.0				,	debris), dry, moderate degraded petroleum odor	<u> </u>
	<u> </u>			·	Moist at 2.0'	
3.0		1				
<del></del>		-	<del> </del>	1	1	
4.0	· · · · · · · · · · · · · · · · · · ·	-	+	<del> </del>	-	
4.0	1	<del> </del>		+		
<i>5</i> A		<u> </u>				-
5.0		<u> </u>				
		1		ļ		
6.0					6.0'	
				0.0	Brown, Peat, damp	
7.0					7.0'	
		· · · · · · · · · · · · · · · · · · ·			Excavation terminated at 7.0'	
8.0		1		<u> </u>		
0.0		<del> </del>			•	
9.0		<del>                                     </del>			·	
7.0		-	+		1	
10.0		<u> </u>	<u> </u>	ļ	-	
10.0		1	-			
11.0						
11.0		ļ				
12.0				<u> </u>	·	
13.0						
14.0			<u> </u>			
15.0			<u> </u>			
16.0						
10.0						
177.0						
17.0			<b> </b>			
					·	
18.0						

					1EST PIT NO.: 1P-20	
	ECT: C					Sheet 1 of 1
	NT: Co					
DELT	TA PRO	JECT N	NO: 03	10025P		
EXCA	VATIO	NETH	IOD: Ba	ickhoe		
						DATE: 10-24-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH		1	Т	PID		<u> </u>
IN FT.				(ppm)		
	-			(pp.ii)		
			1		SOIL DESCRIPTION	DEMARKS
		<del> </del>	<b>-</b>	0.0	<u> </u>	REMARKS
<u> </u>		ļ	-	0.0	Dark brown, Topsoil, moist	
1.0		<u> </u>			1.0	†
				4.3	Black, fine, Foundry Sand with some fill (metal, wood, glass and	]
2.0					plastic debris), damp, moderate degraded petroleum odor	
	ļ	<del> </del>				
2.0	1	+	<del></del> -			mm ac 1 1
3.0	<u> </u>	<b> </b>			_	TP-26 sampled
						1'-6.5'
4.0		1				
		1			1	
5.0		<del>                                     </del>			-	
3.0	<u> </u>	<del> </del>	+			
		<u> </u>				
6.0	<u> </u>	<u> </u>			,	
7.0			1		7.0'	
		<del>                                     </del>	<del>                                     </del>	0.0	Brown, Peat, damp	1
0.0		<del> </del>	-	0.0		
8.0		-	<u> </u>	·	8.0	
					Excavation terminated at 8.0'	
9.0		<u> </u>				
		1			]	
10.0			†			
10.0		<del> </del>				
11.0			-		-	ļ
11.0						
		1				
12.0						
13.0		<del> </del>	1			
10.0		<del>                                     </del>	<del> </del>		1	
115				<i>i</i>	·	
14.0						
]		]				
15.0				```		
16 0	<del>" "</del>	<u> </u>	1		·	
16.0		<u> </u>	ļ			
				-		
17.0						
			1 1			
18.0			<del>                                     </del>			
. 0,0						

DDOI	ECT: C	rollee II	linda		1E31111 NO.: 11-2/		Cho-4 1 - £ 1
	NT: Co			Inc			Sheet 1 of 1
				, шс. 10025Р			
	VATION						
DACH	1711101	, MID ( )	OD, DE	icknoc			DATE: 10-24-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	:	D111E. 10-24-03
DEPTH		T	1	PID			
IN FT.				(ppm)			
ŀ							-
Ì					SOIL DESCRIPTION		REMARKS
				0.0	Brown, Topsoil, moist	0.51	
1.0				1.7	Black, fine, Foundry Sand with some fill (wood and metal		
					debris), dry, degraded petroluem odor		
2.0							
			1		1		
3.0			+		<del>-</del>		
<del></del>		+		1.2	Moist at 3.0'		
4.0		1		1,2			
-1,0		ļ	+				
5.0			<del> </del>		-		
5.0	<u> </u>	<del></del>	+-	<del>                                     </del>	-		
6.0		<del>                                     </del>					
0.0			+		4		
7.0		<u> </u>			-		
7.0		-		<u> </u>			
0.0		ļ				7.5'	
8.0				0.0	Brown, Peat, damp	8.0'	
		ļ	<u> </u>	ļ	Excavation terminated at 8.0'	İ	
9.0							
						ļ	
10.0						1	
						l	
11.0							
12.0						-	
						.	
13.0							
14.0						1	
				<u> </u>			
15.0	<del>' , ', ''' ,, '</del>		1		1		
			<b>†</b>				
16.0						1	
10.0				1		Ì	
17.0			<del>                                     </del>				
17.0		· · · · · · · · · · · · · · · · · · ·					
18.0			-				
10.0							

CLIENT: Cooper Industries, Inc.   DELTA PROJECT NO: 0310025P	PROJE	ECT: Crouse-Hinds			Sheet 1 of 1
EXCAVATION METHOD: Backhoe   CONTRACTOR: PEC   INSPECTOR: Jennifer L. Hull	CLIEN	NT: Cooper Industrie			
DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE: 10-25-0:   DATE					
NSPECTOR: Jennifer L. Hull   Pip   SOIL DESCRIPTION   REMARKS	EXCA	VATION METHOD: 1	Backhoe		
SOIL DESCRIPTION   REMARKS	000			Digital Company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of th	DATE: 10-25-05
SOIL DESCRIPTION   REMARKS	<b>—</b>	RACTOR: PEC		INSPECTOR: Jennifer L. Hull	
SOIL DESCRIPTION   REMARKS	1	***************************************	1		
1.0	IN FT.		(ppm)		
1.0				SOIL DESCRIPTION	REMARKS
1.0			0.0		
1.1   Black, fine, Foundry Sand with some fill (plastic, paper, rubber, metal and glass debris), dry, moderate degraded petroleum odor   TP-28 sampled   4.5'-13.5'	1.0			<b>-</b>	,
2.0			0.0		_
3.0	2.0				
4.0				1	
4.0	3.0			-	
1.1   Black, fine, Foundry Sand with some fill (plastic, paper, rubber, metal and glass debris), dry, moderate degraded petroleum odor   TP-28 sampled 4.5'-13.5'				-	
1.1   Black, fine, Foundry Sand with some fill (plastic, paper, rubber, metal and glass debris), dry, moderate degraded petroleum odor   TP-28 sampled 4.5'-13.5'	4.0			4.0	,
5.0			1.1		1
TP-28 sampled 4.5'-13.5'  TP-28 sampled 4.5'-13.5'  8.0	5.0				
6.0					TP-28 sampled
1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor   14.0'   1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor   16.0'   17.0'   Excavation terminated at 17.0'   Excavation terminated at 17.0'	6.0		i		
R.0				1	
R.0	7.0			1	
10.0					
10.0	8.0			<b>i</b>	Fill was 14'
9.0   property line and thickened south into landfill  11.0   13.0   14.0    14.0   1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor  15.0   0.0   Black, Peat, damp  17.0   Excavation terminated at 17.0    property line and thickened south into landfill  14.0   14.0    14.0   14.0    15.0   16.0    16.0   16.0    Excavation terminated at 17.0			0.0	Moist at 8.0'	1
And thickened south into landfill	9.0		_		
10.0					
Indfill	10.0			•	I
11.0					1
13.0	11.0				
13.0				1	
14.0	12.0				Anna Anna Anna Anna Anna Anna Anna Anna
14.0					
1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor	13.0				
1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor					
1.8   White, fine, Sand Fill, moist, slight degraded petroluem odor	14.0			14.0'	
15.0       16.0         16.0       16.0'         17.0       17.0'         Excavation terminated at 17.0'			1.8		1 .
16.0   16.0'   16.0'   17.0'   Excavation terminated at 17.0'	15.0				
17.0   Black, Peat, damp   17.0   Excavation terminated at 17.0					
17.0   Black, Peat, damp   17.0   Excavation terminated at 17.0	16.0			16.0'	
17.0 Excavation terminated at 17.0'			0.0		
Excavation terminated at 17.0'	17.0			†	
10.0	18.0				

					1EST PH NO.: 1P-29	
	ECT: C					Sheet 1 of 1
	NT: Coc					
DELT	A PRO	JECT N	O: 031	10025P		
EXCA	VATION	METH	OD: Ba	ckhoe		
						DATE: 10-25-05
CONT	RACTO	R+ PEC			INSPECTOR: Jennifer L. Hull	
DEPTH	1	I		DID.	End Do Ford Villary D. A. A.	
				PID		
IN FT.				(ppm)		
					OOH PROCESSES	
					SOIL DESCRIPTION	REMARKS
	L			0.0	Dark brown, Topsoil, moist	
1.0					ceil . The second contribution $ ceil$ .	0'
				1.2	Black, fine, Foundry Sand with fill (household debris, glass,	
2.0	<del>                                     </del>	1	+	1.2		
2.0		<del> </del>	<b></b>		paper, metal, wood, rubber, plastic), dry, moderate degraded	
		<u> </u>			petroleum odor and decaying organic odor	* * *
3.0			1			
,,,,,,,,					7	
4.0		<del>†                                    </del>	<del>                                     </del>		†	
7.0		-				
		<u> </u>	-			
5.0						
					·	
6.0						
		-				
		<u> </u>				
7.0						
8.0						Fill was 8'
						thick at
9.0			<del> </del>			· 1
9.0	<u> </u>	-		2.0		property line
	<u> </u>			0.0	Saturated at 9.0'	and thickened
10.0					10.	0' west into
				0.0	Brown, Peat, damp	landfill
11.0			1		11.	1
* * * * * * * * * * * * * * * * * * * *						4
10.0		ļ	-		Excavation terminated at 11.0'	
12.0		<u> </u>			<u> </u>	-
		<u>L</u>	<u>                                     </u>			
13.0					· ·	
			1 1	-	1	
14.0			<del>  </del>			
14.0			<del>                                     </del>			
					· ·	
15.0						
16.0						
10.0					1	
17.0			<u> </u>			
			1			1
			į I		í	1

PROJ	ECT: C	rouse-H	linds		TEST III NO.: II-30		Sheet 1 of 1
·			lustries, Inc	c.			bitect 1 of 1
			IO: 03100				
EXCA	VATION	V METH	IOD; Backh	oe			
		···					DATE: 10-25-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull		
DEPTH				PID			
IN FT.				(ppm)			
					SOLI PROGRESSION		D715   D716
-				0.0	SOIL DESCRIPTION		REMARKS
1.0		<del> </del>		0.0	Black, Topsoil, moist	1 01	
1.0		<u></u>		0.0		1.0'	
		<u> </u>		0.0	Gray, medium Sand and Gravel, moist		
2.0		-					
2.0		<del> </del>			4		
3.0	<u> </u>	1	+ +-			3.0'	
4.0		<u> </u>		6.7	Black, fine, Foundry Sand with some gray sand and gravel		TP-30 sampled
4.0			-		and fill (household debris (glass, paper, metal, wood, rubber,		3'-11'
			1		plastic), dry, slight degraded petroleum odor and decaying		
5.0		-	<u> </u>		organic odor		
4.3		ļ			·		
6.0						6.0'	
		ļ		0.0	Gray, medium Sand and Gravel fill, dry, slight degraged		
7.0					petroleum odor		
8.0							
		ļ					
9.0							
							Fill was 10'
10.0							thick at
		ļ		0.0	Saturated at 10.0'		property line
11.0							and thickened
							west into
12.0						2.0'	landfill
				0.0	Brown, Peat, damp		
13.0						3.0'	;
					Excavation terminated at 13.0'		
14.0			<u>                                     </u>				
						ļ	
15.0							
						ı	
16.0							
17.0							
18.0							

	ECT: C					Sheet 1 of 1
	NT: Coo					
				10025P		т
EXCA	VATION	METH	OD: Ba	ckhoe		D. 4 mm. 10 00 00
CONT	RACTO	D. DEC			INSPECTOR: Jennifer L. Hull	DATE: 10-25-05
	KACTO.	R: FEC	1	Т	INSPECTOR. Jennier L. Hun	1
DEPTH IN FT.				PID		
IN F1.		İ		(ppm)		
					SOIL DESCRIPTION	REMARKS
				0.0	Black, Topsoil, moist 0.5	
1.0				0.0	Brown, fine, Sand, moist, green staining, no odor 1.0	4
	İ			0.0	Gray, Gravel Fill, moist, black staining, degraded petroleum odor	
2.0						The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
3.0				1		
		1			1	
4.0				1	4.0'	
				0.0	Black, fine, Foundry Sand with some fill (household debris, glass,	
5.0					paper, rubber,plastic, metal and lumber), moist, moderate	<b>;</b>
		<b>1</b>			degraded petroleum odor and organic decay odor	
6.0						
				0.0	Saturated at 6.0'	Test pit filled
7.0						quickly with
					1	water and could
8.0					8.0'	not determine
			1		Terminated excavation at 8.0'	bottom of fill
9.0				<u> </u>		
	1		1			
10.0						
11.0						
	<del></del>					
12.0						
	-					
13.0						
14.0						
			1			·
15.0			†····			
					·	
16.0			<u> </u>			
			<del>                                     </del>			
17.0			<del>                                     </del>			
			<del> </del>			
18.0				<del>                                     </del>		
		L	1	1		

PROT	ECT: Crouse-Hi	nds	TEST 111 NO.: 11-32	Sheet 1 of 1
	VT: Cooper Indu			Sheet 1 of 1
	A PROJECT NO			
	VATION METHO			
				DATE: 10-25-05
CONTI	RACTOR: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH		PID		
IN FT.		(ppm)	•	
				İ
			SOIL DESCRIPTION	REMARKS
		0.0	Brown, Topsoil, moist 0.5	
1.0		5.2	Black, fine, Foundry Sand with some fill (wood, plastic, metal,	]
			glass and hardened paint (yellow)), moist, degraded petroleum	
2.0	•		odor	
				·
3.0				
			<del>-</del>	
4.0			1	
"				TP-32 sampled
5.0				1'-12'
3.0			-	1-12
			-	
6.0				
<b>.</b> .		0.0 .	Saturated, oily sheen on groundwater surface	
7.0				
8.0				
				Fill was 12'
9.0				thick at
				property line
10.0				and thickened
				west into
11.0				landfill
12.0				
			1	Annual Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Cont
13.0				
13.0		_		
140			14.0	
14.0			14.0'	
15.0		0.0	Brown, Peat, damp	
15.0	1		15.0'	
			Excavation terminated at 15.0'	
16.0				
	1			
17.0				
18.0				

CLIENT DELTA EXCAVA	CT: Crouse-Hinds  T: Cooper Industri PROJECT NO: ( ATION METHOD:  ACTOR: PEC	es, Inc. 0310025P		Sheet 1 of 1
DELTA EXCAVA CONTRA DEPTH	PROJECT NO: ( ATION METHOD:	0310025P		
EXCAVA CONTRA DEPTH	ATION METHOD:			
CONTRA DEPTH	···	Backhoe		
DEPTH	ACTOR: PEC			·
DEPTH	ACTOR: PEC			DATE: 10-25-05
			INSPECTOR: Jennifer L. Hull	
IN FT.		PID		
		(ppm)		
			CON PROCESSOR	
			SOIL DESCRIPTION	REMARKS
		0.0	Brown, Topsoil, moist 0.5'	]
1.0		0.0	Fill (wood, plastic, glass, hardened paint (yellow), paper and metal	
			debris) mixed with some topsoil, moist, slight decay odor	
2.0				
		ĺ		
3.0			3.0'	
		0.0	Black, Clay and fine, Foundry Sand with some fill (metal, plastic,	]
4.0			wood, paper and glass debris), damp, slight organic decay odor,	
			red staining in clay and sand	
5.0				
6.0				
		4.2	Wet at 6.0'	
7.0			7	Fill extended
<del>/.0</del>			1	into wetland;
8.0				Fill was 3'
5.0				
9.0			-	thick in wetland
9.0			_	and thickened
100				west into
10.0			<u> </u>	landfill
11.0			_	
11.0			_	Black Peat
				underlaid fill
12.0		,		in wetland
			·	
13.0			_	
14.0				
15.0			15.0'	;
	-	0.0	Brown-gray, Clay, wet 15.5'	·
16.0			Excavation terminated at 15.5'	•
17.0		1		
			1	
18.0				

					TEST PIT NO.: TP-34	*****
		rouse-H				Sheet 1 of 1
			lustries, l			
			VO: 031			
EXCA	VATIO	N METH	IOD: Bac	khoe		
						DATE: 10-25-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.				(ppm)		
ĺ						
	ļ				SOIL DESCRIPTION	REMARKS
				0.0	Brown, Topsoil with some fill (plastic and wood debris), moist	
1.0		<del> </del>			proving reposit with some till (plastic and wood acorts), moist	
1.0		<del> </del>				
2.0						
2.0		_			2.0	<u>'</u> ]
			. ]	1.7	Black, fine, Foundry Sand with some fill (plastic and wood debris),	
3.0					moist, slight degraded petroleum odor	Fill extended
						into wetland;
4.0		1	·	<del></del>	-	Fill was 2' thick
1.0		1	1	0.0	Cotumbed at 4.01	1
-	<u> </u>			0.0	Saturated at 4.0'	in wetland and
5.0						thickened
						northwest
6.0					6.0	into landfill
				0.0	Black, Peat, damp 6.5	-
7.0				*******	Excavation terminated at 6,5'	-
					Exparation terminated at 6,0	TP-34
8.0		<del> </del>	++			
0.0		<del>                                     </del>	-			Sampled 2'-6'
			1			
9.0		ļ	<u> </u>			
10.0						
				1		
11.0						
			1			
12.0			<del>                                     </del>			·
12.0						
		<u> </u>	<u> </u>		·	
13.0						
14.0	•					
					•	
15.0			<del>                                     </del>			i
			<del>  -</del>			· <b> </b>
16.0			+ +			
16.0						
17.0						
18.0				i i		
1			ı			

PROJ	ECT: C	rouse-H	inds		1E31 111 NO 11-33	Sheet 1 of 1
CLIE	NT: Coo	per Ind	ustries	, Inc.		
				10025P		
EXCA	VATION	√ METH	OD: Ba	ackhoe		
002 III	D LOTO:	D DDG			DIADECTOR A 10 A A A II	DATE: 10-25-05
	RACTO	R; PEC		T	INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.				(ppm)		
l					SOIL DESCRIPTION	REMARKS
				0.0	Brown, Topsoil with some fill (plastic and wood debris), moist 0.5'	
1.0				12.4	Black, fine, Foundry Sand with some fill (plastic, metal,	1
					hardened paint (yellow) and wood debris), wet, degraded petroleum	
2.0					odor, oily sheen on water seeping into hole	
3.0						,
		<u> </u>				
4.0						f
				14.2	Saturated, oily sheen on groundwater, strong solvent-like odor	
5.0						
					_	Fill extended
6.0		<b></b>	ļ		 <del> </del>	into wetland;
			<u> </u>			Fill was 2' thick
7.0						in wetland and
2.0			<u> </u>	ļ		thickened
8.0						north into
0.0				0.0		landfill
9.0		ļ	ļ	1	Excavation terminated at 8.5'	
10.0	·		-	<u> </u>		
10.0			-			TD 05 1 1
11.0			<del>                                     </del>			TP-35 sampled
11.0			$\vdash$	-		at 1'-8'
12.0			<del>                                     </del>		-	
12.0		<u> </u>	<u> </u>			
13.0			<del>                                     </del>	<u> </u>		
				<u> </u>		
14.0						
15.0			<u> </u>			
16.0						
						,
17.0						
18.0						1

PROTECT	Γ: Crouse-Hinds		1EST 111 NO.: 11-30	Cheet 1 of 1
	Cooper Industries	s. Inc.		Sheet 1 of 1
	PROJECT NO: 03			
	ΓΙΟΝ METHOD: Β			1
				DATE: 10-25-05
CONTRAC	CTOR: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH		PLD		
IN FT.		(ppm)		
<b>i</b>			CON PROCESSION	
		0.0	SOIL DESCRIPTION	REMARKS
10		0.0	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
1.0			4	
2.0			4	
		<u> </u>	4	
3.0				Ì
10		1	4	
4.0		<del> </del>	<del> </del>	
<del></del>		0.0	Water seeping into hole at 4.0'	
5.0			4	Fill extended
				into wetland;
6.0				Fill was 2.5'
				thick in wetland
7.0				and thickened
				west towards
8.0				landfill
9.0				
				-
10.0				
11.0				
12.0			1	
			]	
13.0				
14.0		1.7	Saturated at 13.5'	
15.0		1		
		1	†	
16.0		<b>†</b>	1	
		1	•	
17.0			17.0'	
17.10		0.0	Black, Peat, damp 17.5'	
18.0		1 0.0	Excavation terminated at 17.5'	-
. 0.0		1	passing terminated at 17,5	

			1ESI PII NO.: 1P-3/	
	ECT: Crouse-			Sheet 1 of 1
CLIEN	VI: Cooper In	dustries, Inc.		
		NO: 0310025P	1	1
EXCA'	VATION MET	HOD: Backhoe		D 4775, 10 07 07
CONTE	RACTOR: PEC	,	DISDECTOR, I See I H. II	DATE: 10-25-05
	CACTOR; PEC	1 1	INSPECTOR: Jennifer L. Hull	
DEPTH	1	PID		
IN FT.		(ppm)		
			SOIL DESCRIPTION	REMARKS
		0.0		
1.0				_
1.0		1.7	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
2.0				
3.0				
				Fill extended to
4.0			1	wetland
				-
5.0			••••••••••••••••••••••••••••••••••••••	1
		0.0	Water seeping into hole at 5.0'	
6.0			Tracer scoping into hole at old	
0.0	<del></del>		-	
7.0			-	
7.0				
				T-M-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-
8.0			·	
9.0				·
10.0	ĺ			
11.0	-		·	
12.0				
12.0	-		1	
13.0	-			
10,01		<del>                                     </del>		
140		1.7	Saturated at 13.5'	
14.0		1.7	Saturated at 15.5	
1.5.0				
15.0				
16.0				
17.0			17.0'	
		0.0	Black, Peat, damp 17.5'	
18.0	,		Excavation terminated at 17.5'	

		TEST PIT NO.: TP-38	
	CT: Crouse-Hinds		Sheet 1 of 1
<b>CLIEN</b>	T: Cooper Industries, Inc.		
	A PROJECT NO: 0310025P		
EXCAV	ATION METHOD: Backhoe		
			DATE: 10-26-05
CONTR.	ACTOR: PEC	INSPECTOR: Jennifer L. Hull	
DEPTH	· PID		
IN FT.	(ppm)		
		SOIL DESCRIPTION	REMARKS
	0.0	Brown, Topsoil, damp 0.5'	
1.0	0.0	Black, fine, Foundry Sand with trace wood debris, damp, slight	
		degraded petroleum odor	
2.0			
<del>  • • • • • • • • • • • • • • • • • • •</del>		-	TP-38 sampled
3.0	0.0	- Dry at 0 El	2'-16'
3.0	0.0	Dry at 2.5'	2'-10'
4.0			
5.0			***************************************
		1	
6.0			
7.0		1	
7.0		-	
0.0			
8.0			
			,
9.0			
10.0			
	0.0	Same as above	
11.0		1	
		<b>,</b>	
12.0			
* 2.0			
12.0			
13.0			٠,
146		,	
14.0			
-			
15.0			
		·	
16.0		16.0'	
.	0.0	Brown, Peat, damp 16.5'	
17.0	1 1 5.0	Excavation terminated at 16.5'	
17.0		Discussion terminated at 10.5	
18.0			
10.0			

DROZ	POT: C	77	*1		1E31111 NO.; 11-39	01 41 00
	ECT; C			Turk		Sheet 1 of 2
	VT: Coc					
				10025P		
EXCA	VATION	METH	OD: Ba	ackhoe		- Long 40 40 0 -
00)	D A CERO	, pp.a		-	DIADPOTOR I 'A I II II	DATE: 10-26-05
	RACTO	R; PEC		γ	INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.				(ppm)		
					SOIL DESCRIPTION	REMARKS
				0.0	Brown, Topsoil, damp 0.8	
1.0						
				0.0	Brown, fine, Sand with some red-brown Clay, damp	With the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
2.0		1				
F	i	<del> </del>	1		-	
3.0			+			
3.0	ļ	<u> </u>	1	1.0	3.0	-
		<u> </u>		1.8	Black, fine, Foundry Sand with some fill (plastic and metal	
4.0			1		debris), dry, degraded petroleum odor	***
5.0						
		1			<b>*</b>	
6.0						
0.0		<del> </del>				]
7.0		<u> </u>		<del> </del>	-	***
7.0		<del> </del>	-			
			ļ	<del></del>		
8.0						
		<u> </u>				
9.0						
10.0		<u> </u>				
70.0				0.0	Same as above	
11.0			<del>                                     </del>	0.0	Odine do above	
11.0				<u> </u>	_	
		<u> </u>	-	<u> </u>		
12.0		<u> </u>		<u> </u>		
13.0						
14.0			$\Box$			
			<u> </u>		1	
15.0			<del> </del>	<del> </del>	1	
13.0			<u> </u>	-		
1.00				<u> </u>		
16.0					·	
17.0						
18.0				0.0	Wet at 17.5'	

PROJ	ECT: C	rouse-F	linds		1251 111 1(0), 11-37	Sheet 2 of 2
			dustries	. Inc.		Silect 2 01 2
DELT	A PRO	JECT 1	VO: 03	10025P		
			lOD: Ba			
			202,2			DATE: 10-26-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	DATE: 10-20-03
DEPTH		1	1	PID	A COLDO LOCK VOIMING B. FIGH	
IN FT.				(ppm)		
1	ĺ	1		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (		
					SOIL DESCRIPTION	REMARKS
		+	<del> </del>	<del></del>	SOIL DESCRIPTION	KEMAKKS
19.0			+		4	
19.0		-	<u> </u>		4	
		ļ		ļ		
20.0					20.0'	
		l		0.0	Brown, Peat, damp 20.5	
21.0					Excavation terminated at 20.5'	1
22.0		İ				
		<del> </del>			1	
23.0		<del>                                     </del>				
25.0		. <del> </del>	-	<del>                                       </del>		
0.4.0		<u> </u>		<u> </u>		
24.0						
25.0				ļ		
26.0						
		1	<del>                                     </del>			
27.0				<u> </u>		
27.0			<del>                                     </del>			
20.0			-			-
28.0		<u> </u>	<del> </del>			
29.0					·	
30.0						
Ť						
31.0			1			
71.0			<del> </del>			
32.0						
32.0						
33.0			ļ <u>.</u>			
34.0						
					·	
35.0						
36.0						
0.0						

				1EST PIT NO.: 1P-40	
		ouse-Hinds			Sheet 1 of 1
CLIEN	VT: Coop	er Industr	ies, Inc.		
			0310025P		
EXCA	VATION	METHOD:	: Backhoe		
					DATE: 10-26-05
CONT	RACTOR	: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH	l		PID		
IN FT.			(ppm)		
				-	
				SOIL DESCRIPTION	REMARKS
			0.0	Brown, Topsoil, damp 0.5'	]
1.0			0.0	Fill (plastic, wood and ceramic tile debris) with some brown, clay,	
				moist	
2.0				1	
3.0				- <b></b>	
5.0				+	
4.0				4	
4.0					<u></u>
					TP-40 sampled
5.0					1'-11'
					]
6.0				6.0'	
			2,3	Black, fine, Foundry Sand, dry,slight degraded petroleum odor	
7.0					
				7	
8.0					
0.0					
				_	
9.0					
10.0					
	-				
11.0		ĺ		1	
				1	
12.0				12.0'	
12.0			0.0	Black, Peat, damp 12.5'	
13.0				Excavation terminated at 12.5'	
0.0 د				DAGARATION TERMINATED AT 12.3	
140				4	
14.0					
15.0					
16.0				]	
	1		<del></del>		
17.0				•	
- 1.0				1	
18.0	+				
10.0	l		i		

				1E31 F11 NU.; 1F-41	
		ouse-Hi			Sheet 1 of 1
			stries, Inc.		
			D: 0310025P		
EXCAVATION METHOD: Backhoe					DATE: 10.00.05
CONTRI	D A CTO	D. DEC		INSPECTOR: Jennifer L. Hull	DATE: 10-26-05
	RACTO	K; PEC		INSPECTOR: Jenniter L. Hull	
DEPTH			PID		4 4 4 4 4
IN FT.			(ppm)		
				SOIL DESCRIPTION	REMARKS
			0.0	Brown, Topsoil, moist 0.	
1.0		<b> </b>	0.0	Brown, Clay and fine, Sand, moist	<del>-</del>
1.0			0.0	Torown, Clay and line, Sand, moist	
2.0				4	
2.0		ļ		4	
2.0				_	***************************************
3.0				_	
4.0				4.	<u>0' </u>
			2.3	Fill (glass, paper, rubber, metal, etc.) with some black, fine	
5.0				foundry sand, wet, slight degraded petroleum odor,	
				_slight oily sheen on water seeping into hole	-
6.0					
					,
7.0					
				7	
8.0				8.	0'
			0.0	Black, Peat, damp 8.	5'
9.0	***************************************			Excavation terminated at 8.5'	
				•	
10.0					
				<b>-</b>	
11.0			1	-	
11.0				<del>-</del>	
12.0				-	
12.0	<del></del>	<del> </del>			
13.0					
ا ۵.۷			-	<del>-</del>	
14.0				-	
14.0			<u> </u>	-	1
15.0				4	•
15.0				4	
				4	
16.0					
					1
17.0					
18.0		T			

	ECT: Crouse-Hinds	11231111110011-42	Sheet 1 of 1
	NT: Cooper Industries, Inc.		
	A PROJECT NO: 0310025P		
EXCA	VATION METHOD: Backhoe		DATE: 10.04.05
CONT	RACTOR: PEC	INSPECTOR: Jennifer L. Hull	DATE: 10-26-05
DEPTH	PID	11431 ECTOR, Jennitel E. Huji	
INFT.	(ppm)		
	g.p.i.,		
		SOIL DESCRIPTION	REMARKS
	0.0	Brown, Topsoil, moist 0.5'	
1.0	0.0	Brown-gray, medium, Sand and Gravel fill with some plastic and	
		glass debris, no odors	***
2.0			
		7	
3.0		1	
- • •		·	
4.0		-	
7,0		+	
5.0			
3.0	2.5	5.0'	
	2.5	Black, fine, Foundry Sand with some fill (plastic and glass debris),	
6.0		dry, slight degraded petroleum odor	
7.0			
8.0			TP-42 sampled
			6'-15'
9.0			
10.0			·
11.0	·		
.			
12.0	3.7	Wet at 11.5'	
13.0		1	
-2.0		-	
14.0		14.0'	
17.0	3.7	Gray and black, Clay, wet, degraded petroleum odor	
15.0	3.7		
12.0		15.0'	
160	0.0	Black, Peat, damp 15.5'	
16.0		Excavation terminated at 15.5'	
17.		4	
17.0			
10.6		_[	
18.0			

DD 6 :			, ,		1EST FIT NO.: 1F-45		
		rouse-H		7			Sheet 1 of 1
		per Ind					
				10025P			1
EXCA	VAHOR	METH	OD; Ba	скпое			DATE: 10.26.05
CONT	RACTO	D. DEC			INSPECTOR: Jennifer L. Hull	<del></del>	DATE: 10-26-05
_	I I	I. FEC	T .	1	INSPECTOR. Jenniner L. Figh		
DEPTH IN FT.		1		PID			
IN F1.				(ppm)			
					SOIL DESCRIPTION		REMARKS
	<del>                                     </del>		+	0.0	Brown, Topsoil, moist	0.5'	TEATHER THE TEATHER
1.0		1		2.8	Black, fine, Foundry Sand and Fill (glass, plastic, paper and	0.5	
1.0		+	+	2.0			
				-	metal debris), damp, slight degraded petroleum odor		·
2.0		-	-		_		
		1			4		 
3.0		<b></b>	4	1	1		Fill was 3' thick
				2.5	Wet at 3.0'		at edge of
4.0			<u> </u>		_	-	creek and
					_		thickened east
5.0							into landfill
6.0					• 	6.0'	
				0.0	Black, Peat, damp	6.5'	
7.0					Excavation terminated at 6.6'		
		1					
8.0							
0.0		<del> </del>	-				
9.0		1					
7.0		<del>                                     </del>	-				,
10.0		<del> </del>					
10.0		<u> </u>					
11.0		<u> </u>	<del> </del>				-
11.0							
10.0		ļ		ļ			
12.0							
	·····		<u> </u>				
13.0		<u> </u>	<u> </u>				
14.0							
15.0							
16.0							
17.0							
17.0			$\vdash$				
18.0							
10.0		<u> </u>					

					TEST PIT NO.: TP-44	
		rouse-H				Sheet 1 of 1
		oper Ind				
		JECT N				
EXCA	VATIO	N METH	OD: Ba	ickhoe		
						DATE: 10-26-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.				(ppm)		
l						
					SOIL DESCRIPTION	REMARKS
	1	_		0.0	Brown, Topsoil, moist	
1.0					1.0	) <sup>'</sup>
				0.0	Brown, Clay, moist	
2.0					- · · · ·	***************************************
		1	<del> </del>	· · · · · · · · · · · · · · · · · · ·	-	
3.0		1			3.0	<sub>)'</sub>
ا ا	<del> </del>	+	+	0.0	Fill (glass, metal, paper debris), moist	TP-44 sampled
40	-	<del> </del>	<b></b>	0.0	Thi (glass, metal, paper deoris), moist	1
4.0		+	-		4	7'-9'
		ļ			<u> </u>	
5.0		—			5.	2 <u>'</u>
	ļ			4.8	Black, fine, Foundry Sand, with some fill (glass, plastic, metal,	
6.0					paper and plastic debris), wet, degraded petroleum odor	Fill was 7' thick
				•		at edge of
7.0						creek and
		1				thickened east
8.0		İ				into landfill
<u> </u>	<u></u>	1			i .	
9.0			<del></del>	<del> </del>	9.0	יין
2.0	<u> </u>			0.0	Black, Peat, damp 9.5	<b></b>
10.0		<u> </u>	<del> </del>	0.0		4
10.0			-		Excavation terminated at 9.5'	
		ļ				
11.0			<del> </del>	<u> </u>	_	
12.0			<b></b>			
13.0						
14.0						
		1	1	1	1	
15.0				<del> </del>		
16.0		<del>                                     </del>	<b> </b>	<u> </u>		
10.0		1		-		
17.0			<u> </u>			
17.0						
100						
18.0		<u> </u>				

					1EST PIT NO.: 1P-45	
	ECT: C					Sheet 1 of 1
	VT: Coc					
DELT	A PRO	IECT N	O: 031	10025P		
EXCA	VATION	METH	OD: Ba	ckhoe		
						DATE: 10-26-05
CONT	RACTO	R: PEC		•	INSPECTOR: Jennifer L. Hull	
DEPTH			1	PID	-	
IN FT.					·	
MY PT.			1	(ppm)		
					SOIL DESCRIPTION	REMARKS
<b></b>		-	+	0.0	1900	REWARKS
		ļ		0.0	Black, Topsoil, moist	
1.0					1.0	)'
				3.2	Black, fine, Foundry Sand with some fill (red-brown sand, metal	
2.0					plastic, glass and paper debris), moist, degraded petroleum odor	
		<del>                                     </del>				
2.0		<del>                                     </del>	<b></b>	<u> </u>	_	_
3.0					3.4	<b>⊣</b> i
				3.5	Black, fine, Foundry Sand, wet, degraded petroleum odor	TP-45 sampled
4.0						2'-5'
,						
5.0		1		<u> </u>	1	
5.0		<del> </del>			-	
		<del> </del>	<del> </del>	<del>                                     </del>		
6.0		ļ			6.0	<u>"</u>
			İ	0.0	Black, Peat, damp	
7.0					7.0	Fill was 4' thick
					Excavation terminated at 7.0'	at edge of
8.0		<u> </u>		-	Executation to initiated at 1.0	creek and
8.0		-				ł.
2 2		ļ	1			thickened east
9.0		<u> </u>				into landfill
		i				
10.0						
11.0					1	
11.0					-	
12.0						
13.0						
						•
14.0		<u></u>	<del> </del>			
14.0					·	
15.0					·	
16.0						
		<u> </u>	<del> </del>			
	7					
17.0						
18.0						
			<u> </u>		<u> </u>	

DDAT	DOT C		r? <b>r</b>	• •	1EST FIT NO.; 11-40	61
		rouse-H		T <sub>m</sub> ,		Sheet 1 of 1
		oper Ind				
				10025P		
EXCA	VAHUI	N METH	OD; Ba	cknoe		DATE: 10.000
0017	CONTRACTOR: PEC				DIGDEOTOR, L.,	DATE: 10-26-05
	RACIO	R; PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.				(ppm)		
					COIL DECORPORION	DESCRIPTION
					SOIL DESCRIPTION	REMARKS
				0.0	Brown, Topsoil, moist	
1.0					1.1	<u>0'</u>
				1.2	Black, fine, Foundry Sand with some fill (paper, plastic, metal,	
2.0		i			rubber and glass debris), moist, slight degraded petroleum odor	
3.0	1	1		1		
				1	1	
4.0		+	+	<u> </u>	<del>-</del>	
4.0	<u> </u>					
~ ^				0.0	Wet at 4.0'	_
5.0	<u> </u>					
		<u> </u>				
6.0					6.8	5'
				0.0	Black peat, damp 7.0	<u>''</u>
7.0					Excavation terminated at 7.0'	
					1	
8.0					1	Fill was 5' thick
0.0		<del> </del>		<u> </u>		1
0.0		<del> </del>		<del>                                     </del>		at edge of
9.0	-				-	creek and
100		-				thickened east
10.0						into landfill
					·	
11.0			İ			
12.0						
1				<del>                                     </del>		
13.0		<u> </u>	1			
10.0			· ·		1	
140		-	-			
14.0		<u> </u>	<b></b>			
15.0						
[						
16.0						
		ļ <u>.</u>	1		•	
17.0						
- / . 0		<del>                                     </del>				
18.0		<del> </del>	-			
10.0			!			

DDO	ECT. C.	ONCO IT	inda		TEST III NO.: II-4/	Q1	1 05 1
	ECT: Cr NT: Coo			Inc		Sheet	1 of 1
	A PROJ						
						1	
LACA	EXCAVATION METHOD: Backhoe					DATE: 1	0-26.05
CONT	RACTOR	2. PEC		··········	INSPECTOR: Jennifer L. Hull	DATE.	0-20-05
DEPTH		I	<u> </u>	PID	INOTECTOR, JOHNSON E. MAIN		
IN FT.				(ppm)			
1111.				(thu)			
	ĺ	ļ			SOIL DESCRIPTION	REMAR	rks
			<del> </del>	0.0		5'	u i o
1.0	l	<del>                                     </del>		0.0	Fill (glass, paper, metal, rubber and plastic debris) with trace	-	
1.0		<del> </del>		0.0			
2.0	1		-	<b>_</b>	black, fine, foundry sand, moist, slight petroleum odor, red and		
2.0					brown staining throughout		
	<u> </u>	ļ			4		
3.0	ļ			ļ	1		
4.0							
5.0		İ					
	<u> </u>				5	5'	
6.0				0.0		0'	
					Excavation terminated at 6.0'		
7.0		<del> </del>	1			Fill was	A! thick
7.0			+	-	- ·	at edge	
8.0	ļ		<del> </del>		-		
0.0		<u> </u>		<b></b>		and thic	
0.0		<b> </b>				east into	•
9.0					_	landfill	
			ļ				
10.0							
11.0							
12.0							
13.0							
14.0							
15.0			ļ		1	***************************************	
13.0			$\vdash$		1		
1.6.0							
16.0			<u> </u>			1	
17.0							
18.0							

	PROJECT: Crouse-Hinds  Sheet 1 of 1								
						Sheet 1 of 1			
CLIE	NT: Coc	per Ind	ustries,	Inc.					
	A PRO.					<del> </del>			
EXCA	VATION	METH	UD: Ba	ckhoe		DATE: 10.04.07			
CONIT	D A OTO	D. DEC			DICDECTOR, Langiford Hall	DATE: 10-26-05			
	RACTO	R: PEC	<u> </u>	1	INSPECTOR: Jennifer L. Hull				
DEPTH				PID					
IN FT.				(ppm)					
					SOIL DESCRIPTION	REMARKS			
$\vdash$	1	1		0.0	Brown, Topsoil, moist 0.5'	<u> </u>			
1.0	ļ	<del> </del>	-	2.5	Black, fine, Foundry Sand and Fill (glass, paper, plastic, rubber),	1			
1.0		+	1	2,2	moist, slight degraded petroleum odor				
2.0		1			Thoist, slight degraded petroleum odor				
2.0		<del> </del>	<u> </u>		4	7D 40			
20					-	TP-48 sampled			
3.0		-	-		<u>'</u>	1'-5.5'			
	ļ	<u> </u>		ļ	1				
4.0									
		ļ							
5.0				0.0	Wet at 4.5'				
						***************************************			
6.0					6.0'				
				0.0	Brown, Peat, damp 6.5				
7.0					Excavation terminated at 6.5'				
						Fill was 3' thick			
8.0						at edge of creek			
					1	and thickened			
9.0		1	<u> </u>	······		east into			
						landfill			
10.0	l								
10.0					-				
11.0		<del>                                     </del>							
11.0		1	<del>                                     </del>		·				
12.0		<u> </u>		}					
12.0									
13.0		-							
13.0		<u> </u>							
14.0		ļ							
14.0				1					
15.0									
15.0		ļ							
			<u> </u>	<u> </u>					
16.0									
					·				
17.0									
18.0	:								

DD A	10E C	-			1201111100111-47	
	ECT: Cı			<u> </u>		Sheet 1 of 1
	T: Coo					
				10025P		
EXCA'	VATION	METH	OD: Ba	ckhoe		
						DATE: 10-27-05
CONTI	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.		ļ		(ppm)		
		· .				
					SOIL DESCRIPTION	REMARKS
			1	0.0	Brown, Topsoil, moist	
1.0		1				
		<u> </u>	-	1	-	
2.0		1	+	<del> </del>	٠,	\
2.0		<del> </del>	+	1.4	2.0	4
		<b></b>	<del> </del>	1.4	Brown-gray, medium to coarse, Sand and Gravel Fill, moist,	
3.0		ļ			stained black, slight degraded petroleum odor	TP-49 sampled
						2'-4'
4.0					4.0	)'
				0.0	Black, Peat, damp 4.5	_
5.0	··· · · · · · · · · · · · · · · · · ·	ļ <u>.</u>			Excavation terminated at 4.5'	7
3.0			<del>                                     </del>	<u> </u>	Exouvation terminated at 4.0	
			-		-	
6.0			<b>_</b>		<u> </u>	
7.0						
8.0					1	
		<b> </b>	1			
9.0			1			
2.0			<del></del>	<b> </b>	-	1
100			-		_	
10.0			<u> </u>	ļ		
11.0			l :			
12.0						
			<u> </u>			
13.0						<u> </u>
10,0			-			
140			_			
14.0		··				
15.0	]					
16.0						
10						
17.0		<del></del>				
17.0						
18.0			<u> </u>			

PROJI	CT: C	rouse-H	inds		1231 111 1(0,, 11-30	Sheet 1 of 1
		per Ind		, Inc.		
				10025P		
EXCA'	VATIO	N METH	OD; Ba	ickhoe		
000					Dispressor V. 16 V. V. II	DATE: 10-27-05
	RACTO	R: PEC	1	1	INSPECTOR: Jennifer L. Hull	<u> </u>
DEPTH				PID		
IN FT.				(ppm)		
					SOIL DESCRIPTION	REMARKS
		<del> </del>		0.0	Brown, Topsoil, moist	KEMAKKS
1.0			+	0.0	Diowii, Topson, moist	
1,0		<del> </del>				
2.0		<del>                                     </del>		<del> </del>	4	
2.0		+	+	+	4	
3.0		<del> </del>	+	-	٠, -	
3.0		<u> </u>		2.5	3.5	4
4.0		ļ	<u></u>	2.5	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
4.0		-			_	
		ļ				
5.0			<b></b>	<u> </u>		
··					· · · · · · · · · · · · · · · · · · ·	
6.0			<u> </u>		6.0	4
		<u> </u>		0.0	Brown, Peat, damp 6.5	1
7.0					Excavation terminated at 6.5'	
8.0		İ				
9.0					·	
10.0					]	
		1			]	
11.0						
			<del></del>	1		
12.0	·				1	
					1	
13.0	*		1		1	
					<b>i</b>	
14.0						
				1		
15.0			<del> </del>	<b></b>		
20.0				<b> </b>		
16.0						
10.0						
170		<u> </u>				
17.0		<u> </u>	<u> </u>			
100						
18.0						

-					1E31 FII NO.: 1F-31	
	ECT: Cr			~		Sheet 1 of 1
	VT: Coo					
	A PROJ					<del>1</del>
EXCA	VATION	METH	OD: Ba	скное		DATE: 10.07.07
CONT	RACTOF	), DEC			INSPECTOR: Jennifer L. Hull	DATE: 10-27-05
_	RACTOR	C FEC	i	1	INSPECTOR, Jeinner E. Hun	
DEPTH IN FT.				PID		
IN F1.				(ppm)		
					SOIL DESCRIPTION	REMARKS
				0.0	Dark brown, Topsoil, moist 0.5	
1.0				2.8	Black, fine, Foundry Sand with trace fill (glass and metal debris),	1
1.0				2.0	moist, degraded petroleum odor	
2.0			-		Tholat, degraded petroleum odor	
2.0				0.0	Wet at 2.0'	
2 0			1	0.0	VVGL at 2.0	
3.0		<del> </del>	1			
4.0			-			<b>]</b>
4.0			-	1	d <sup>*</sup>	***
- A		<u> </u>	ļ	ļ		
5.0			ļ	<u> </u>	5.0	4
				0.0	Brown, Peat, damp 5.5	
6.0					Excavation terminated at 5.5'	
						**************************************
7.0						
8.0						
						ļ
9.0						
10.0						
11.0						
			1			
12.0						
			<del> </del>			
13.0						
10.0		<del></del>	<del> </del>			
14.0						
17.U						
15.0			<del> </del>			
13.0					· ·	
160			<b> </b>			
16.0						
			<b> </b>	,		
17.0						
18.0			<u> </u>		·	

					TEST PIT NO.: TP-52	
	ECT: C					Sheet 1 of 1
CLIE	NT: Coc	per Ind	ustries.	, Inc.		
	ra pro.					
EXCA	VATION	METH	OD: Ba	ickhoe		
						DATE: 10-27-05
CONT	RACTO	R: PEC			INSPECTOR: Jennifer L. Hull	
DEPTH				PID		
IN FT.		1		(ppm)		
l						•
		<u>.</u>				REMARKS
	l	1		0.0	Dark brown, organic soil, moist 0.5	
1.0				1.7	Black, fine, Foundry Sand, moist, slight degraded petroleum odor	
2.0		İ			1	Fill extended
	1	1	1	1.7	Wet at 2.0'	into wetland
3.0	1	<del>                                     </del>		1		
<del>  ``</del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	1		
4.0		1	-		4.01	
4.0	ļ	<del> </del>	-	100	4.0'	
		ļ	ļ	0.0	Dark brown, Peat, damp 4.5'	
5.0		<u> </u>			Excavation terminated at 4.5'	
			ļ			
6.0						
		<u> </u>				
7.0						
8.0						
				İ .	· · · · · · · · · · · · · · · · · · ·	
9.0	<b> </b>	<u> </u>		<u> </u>	†	•
7.0	-		<del>                                     </del>			
10.0			<del> </del>			
10.0			-			
11.0	ļ		<del> </del>			
11.0		<u> </u>				
	<b>_</b>					
12.0						
						•
13.0						
14.0					· ·	
				1		
15.0					1	
			<del> </del>			
16.0			<del>                                     </del>			1
10.0		:				
10.0					<b>.</b>	
17.0						
18.0						

				1EST PH NO.: 1P-53		
	ECT: Cr					Sheet 1 of 1
			stries, Inc.			
			D: 03100251			
EXCA	VATION	METHO	D: Backhoe			
						DATE: 10-27-05
CONT	RACTO	R: PEC		INSPECTOR: Jennifer L. Hull		
DEPTH			PII			
IN FT.			(pp:			
				SOIL DESCRIPTION		REMARKS
			0.		0.8'	
1.0	<b> </b>	<del> </del>	<u>, , , , , , , , , , , , , , , , , , , </u>		0.0	
1.0		<del>                                     </del>		Disale fine Foundario Conductit fill (alexanderida no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no establica no est		
<u> </u>			0.			
2.0	ļ	ļ		wood debris), moist, slight degraded petroleum odor		
L			0.	Wet at 2.0'		
3.0						
4.0						
7.0						
L				_		
5.0						TP-53 sampled
						1'-6'
6.0				<del>-</del>	3.01	•
		<u> </u>	0.0		3.5	
7.0			0.0		5.0	
7.0				Excavation terminated at 6.5'	ļ	
8.0						
9.0						
, , ,						
100				<del>-</del>		
10.0						
11.0						
12.0					ļ	
,				<del>- </del> .	J	
12.0						
13.0				· ·		
14.0					ļ	
	-				1	
15.0						
160				_		
16.0						
17.0						
18.0				<del>-</del>	ļ	
10.0	1					

				1E51 F11 NU.: 1F-54	
	CT: Cr				Sheet 1 of 1
			ustries, Inc.		
DELT.	A PROJ	ECT N	O: 0310025P		
EXCA	VATION	METH	OD: Backhoe		
					DATE: 10-27-05
CONTI	RACTO	R: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH			PID		
IN FT.		]	(ppm)		
					***********
				SOIL DESCRIPTION	REMARKS
			0.0	Dark brown, Topsoil, moist	
1.0		<b></b>		1.0	1
			2.8	Black, fine, Foundry Sand with some fill (glass, paper, plastic,	-
20		<u> </u>	2.8		
2.0		ļ	<del> </del>	rubber), moist, slight degraded petroleum odor	ļ
				_	Fill extended
3.0					into wetland;
			1.8	Wet, petroleum sheen on water seeping into hole	Fill was 5' thick
4.0				• •	in wetland and
					thickened north
5.0		<b>-</b>		┪	into landfill
5.0				4	into falluttii
				_	
6.0		ļ		_	
7.0					
	***************************************				
8.0					
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	NT: Cooper Industries, Inc.		<del> </del>
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		black, fine, foundry sand and gray clay, wet, slight	
2.0		degraded petroleum odor	
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4.0		4.0	<u> </u>
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CLIE	NT: Cooper Industries, Inc.		
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EXCA	VATION METHOD: Backhoe		D ( DD ( C C C C C C C C C C C C C C C C
		Diennemen z. 10 z. z. u	DATE: 10-27-05
	RACTOR: PEC	INSPECTOR: Jennifer L. Hull	
DEPTH	PID		
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		<u>-</u>  -	into wetland;
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# DELTA ENVIRONMENTAL CONSULTANTS, INC. TEST PIT LOG

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					SOIL DESCRIPTION	REMARKS
				0.0	Black, Topsoil, moist 0.5	
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_				1EST PIT NO.: 1P-58	
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	NT: Coope				
3			0310025P		
EXCA	VATION N	ÆTHOD:	Backhoe		
					DATE: 10-27-05
CONT	RACTOR:	PEC		INSPECTOR: Jennifer L. Hull	
DEPTH			PID		
IN FT,			(ppm)		
				SOIL DESCRIPTION	REMARKS
			0.0	Black, Topsoil, moist	0.5'
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				wet, slight degraded petroleum odor	
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					TP-58 sampled
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					Fill extended to
7.0					edge of
					drainage ditch
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#### TEST PIT LOG

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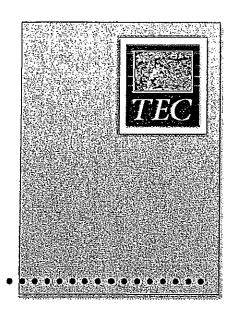
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DELT	'A PRO	JECT N	IO: 03	10025P			
		N METH				<del>                                     </del>	
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				0.0	Dark brown, Topsoil, moist 0.5'		
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# DELTA ENVIRONMENTAL CONSULTANTS, INC. TEST PIT LOG

TEST PIT NO.: TP-OW-2

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		IO: 0310025P		· · · · · · · · · · · · · · · · · · ·
EXCAV	ATION METH	IOD: Backhoe		
				DATE: 10-24-05
CONTR	ACTOR: PEC		INSPECTOR: Jennifer L. Hull	
DEPTH		PID		
IN FT.		(ppm)		
			SOIL DESCRIPTION	REMARKS
		0.0	Dark brown, Topsoil, moist 0.5	
1.0	······	9.7		-
1.0		9./	Black, fine, Foundry Sand with some fill (hardened paint, metal,	
2.0			rubber, brick and wood debris), moist, degraded petroluem odor	
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# ATTACHMENT 4 FISH AND WILDLIFE IMPACT ASSESSMENT



## Cooper Crouse-Hinds Landfill

## Vegetation and Wildlife Study

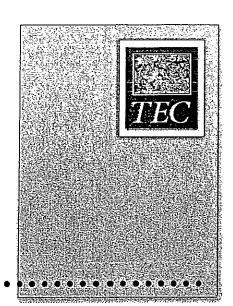
August 2004

#### Prepared For:

InteGreyted International, LLC Syracuse Operations 104 Jamesville Road Syracuse, New York 13214

#### Prepared By:

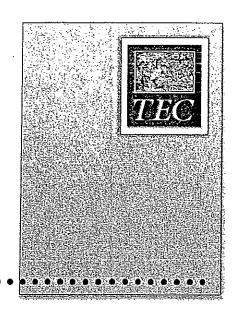
Barbara C. Reuter
The Environmental Collaborative
309 Palmer Drive
Fayetteville, NY 13066-1246
315-637-3701



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Introduction	1
Section A - Site Maps	4
Section B - Fish and Wildlife Resources	10
Section C - Fish and Wildlife Resource Value	12
Section D - Fish and Wildlife Regulatory Criteria	14
References	15
Appendices	

Appendix A - Agency Information Appendix B - Natural Resources Maps Appendix C - Vegetation and Wildlife Species Lists



## Introduction

The Environmental Collaborative (TEC) was contracted by InteGreyted International, LLC, on behalf of Cooper Crouse-Hinds, to undertake a study to evaluate the existing ecological conditions of two inactive landfills owned by Cooper Crouse-Hinds. This study provides information specified in the following sections of Step 1 (Site Description) of the New York State Department of Environmental Conservation (NYS-DEC) Fish and Wildlife Impact Analy-

sis for Inactive Hazardous Waste Sites (FWIA).

The sections of Step 1 are as follows:

- Section A Site Maps
- Section B Description of Fish and Wildlife Resources
- Section C Description of Fish and Wildlife Resource Value

Section D - Identification of Applicable Fish and Wildlife Regulatory Criteria

Contamination can affect on-site and off-site resources. This happens mostly through surficial and groundwater flow. This study concentrates on surface impact due to potential leakage of contaminants from the source. This would be evidenced by stressed vegetation over and around the area of contamination, visual evidence of contaminants (i.e., discoloration of soil and water), disfigured wildlife species, and/or lack of certain species that should be present, particularly in water bodies.

## Site Description

The subject site is located northwest of the operating Crouse-Hinds Company manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043°

W), in the Town of Salina and the City of Syracuse, Onondaga County, New York (Figure 1). The subject site (hereinafter the "site") consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill - Figure 2). According to available information, the North Landfill is approximately 21 acres in area and the

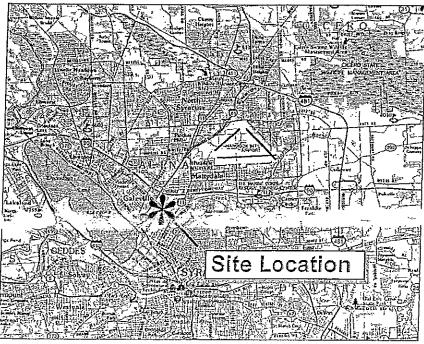


Figure 1. Location of the site in the Town of Salina and the City of Syracuse, Onondaga County, NY.

South Landfill is approximately 15 acres in area. Site and surrounding topography is generally flat to gently sloping. Figures 1 and 2 are site location maps and Figures 3 and 4 on page 3 show the site plans of the North Landfill and South Landfills, respectively.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The site is located in an area of mixed usage including light industrial/manufacturing, commercial, and residential. Seventh North Street is oriented eastwest and separates the two landfills that comprise the site. Undeveloped woods and wetlands border the site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street, and residential development border the site to the east. Undeveloped woods, wetlands, and mixed commercial development border the site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station, and I-81 are present to the west of the site. The northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by Plaza East, LLC. The northwest boundary of the South Landfill is adjacent to Ley Creek.

## Background

While in operation, the North Land-fill facility reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from mid-1950 through 1972. From 1972 through the early 1980s, this landfill was used for disposing approximately 85 cubic wards per day of non-putrescible solid wastes including roundry sand, floor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes, and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also re-

portedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983, approximately 40 cubic yards per day of industrial waste, including foundry sand and core butts were disposed of in the landfill from the Crouse-Hinds facility. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The North Landfill has been inactive sine the mid-1980s.

The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage, and construction/demolition debirs. Mate-

rial placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1961 and 1964. The landfill has been inactive since 1969.

As part of the PSA, a number of studies were conducted, one of which was to evaluate the existing ecological conditions of the site. As put forth in the FWIA, this particular investigation was intended to: (1) identify the fish and wildlife resources that presently exist and that existed before contaminant introduction, and (2) provide information necessary for the design of a remedial investigation. As part of the above effort, vegetation cover types and plant species were also identified.

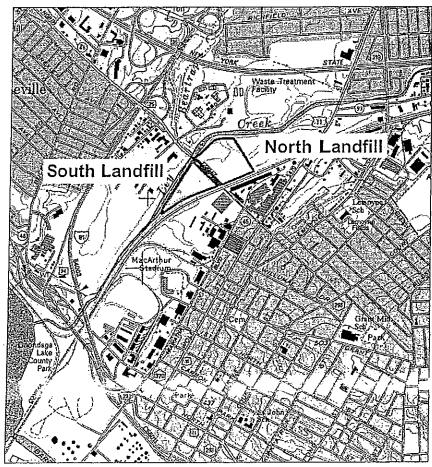
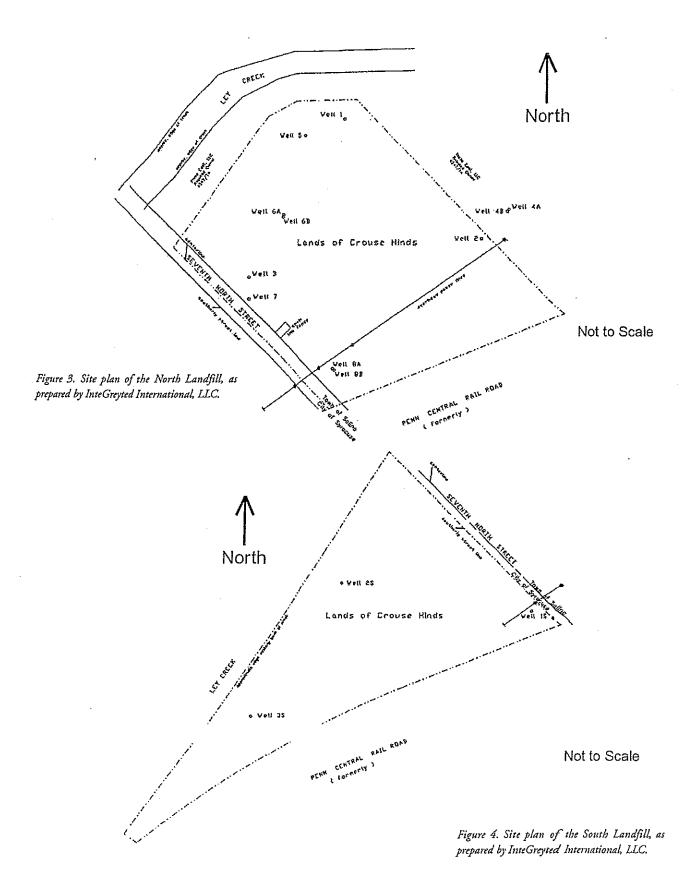
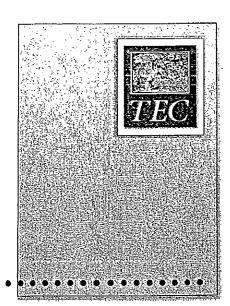


Figure 2. North Landfill and South Landfill shown on the NYSDOT 7.5-minute topographic map (Syracuse West quadrangle).





## Section A

o assess the impact of contamination on vegetation and wild-life resources, it was important to conduct a vegetation and wildlife field survey and then to develop maps showing the locations of any known rare species and/or unique natural features or community types, as well as water features, on or adjacent to the site, and to compile a comprehensive plant and wildlife species inventory for the site.

## Site Maps

The vegetation and wildlife inventory was conducted on 21 June 2004. However, prior to conducting this survey, published data sources were reviewed and then used for preparing the natural resources maps. These sources of information included the New York Natural Heritage Program Significant Habitat and Element Occurrence Records (Appendix A), U.S. Fish and Wildlife Service rare species data (Appendix A) Visit Tamerica.

Bird Atlas data (Appendix A), New York State Herpetology Atlas data (Appendix A), U.S. Fish and Wildlife Service data (Appendix A), 6NYCRR-freshwater wetland and stream classification maps, NYSDEC fisheries data; Environmental Data Resources, Inc. (EDR) Historical Topographic Map Report, EDR Aerial Photo Decade

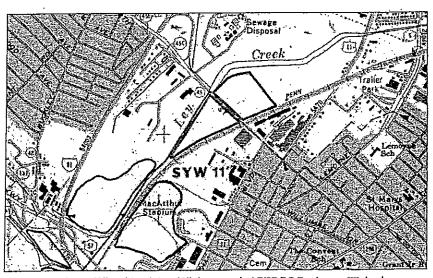


Figure 5. North Landfill and South Landfill shown on the NYSDEC Freshwater Wetland map.

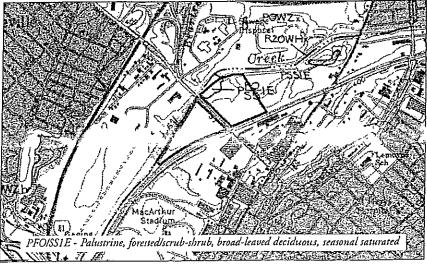


Figure 6. North Landfill and South Landfill shown on the NWI map.

# GaA Gebut AND MADE LAND What is a second of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the

Figure 7. North Landfill and South Landfill shown on the Onondaga County soils map.

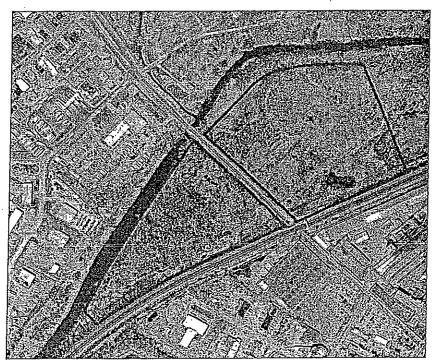


Figure 8. North Landfill and South Landfill shown on a 2003 aerial photograph.

Package, EDR NEPA Check, NYS-DEC Freshwater Wetland maps (Figure 5) National Wetland Transfer

maps (Figure 6), Onondaga County Soil Survey (Figure 7), and NYS GIS Clearing House aerial photograph (Figure 8). A vegetation cover map for the site was prepared with the use of these sources of information, as well as data collected from conducting a detailed

on-site field survey of the vegetation (Figure 9 - Appendix B). The various

uated based on species composition and structural diversity (i.e., foliage height, spatial distribution, percent cover, age class, species distribution, vegetation layering), and are described according to *Ecological Communities of New York State* (Reschke 2002).

## Vegetation Communities

There are a number of vegetation community types on the site, including old field, shrub upland, deciduous forest, and wetland. The following is a general description of each of the vegetation community types, including a discussion on dominant species and general characteristics of each community. A map (Figure 10) showing the locations of the photographs of the site is included in Appendix B. A list of all plant species, including scientific and common names, identified on the site is presented in Tables 1 and 2 in Appendix C.



Figure 11. The old field in the northern portion of the North Landfill.

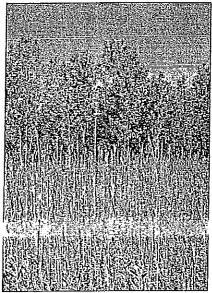
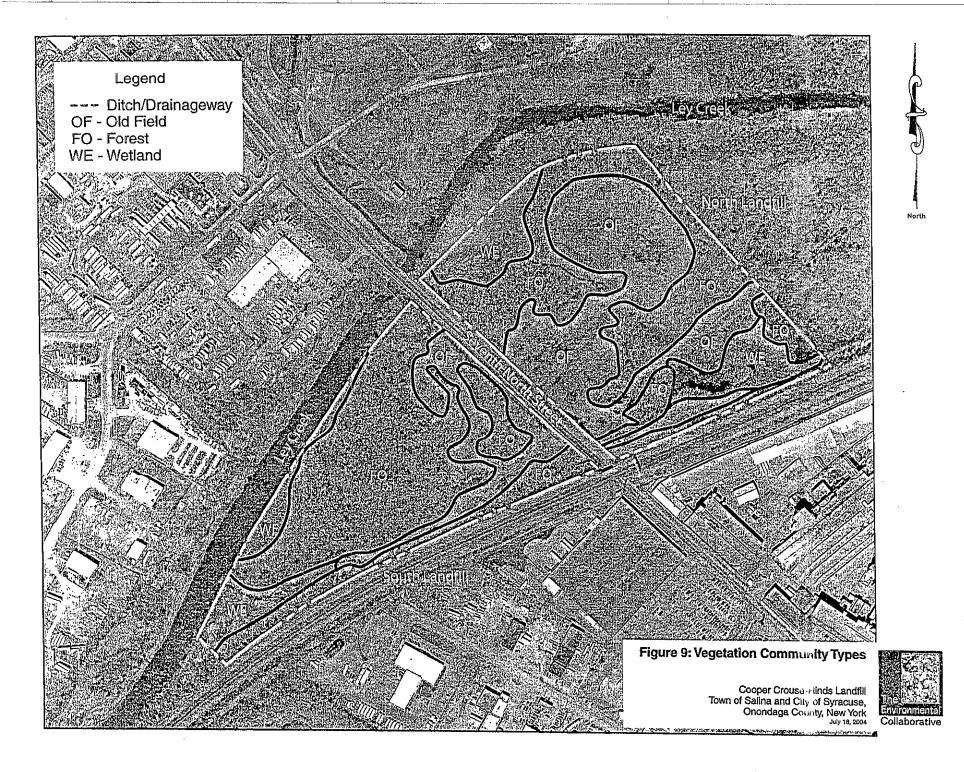


Figure 12. Another view of the old field in the northern portion of the North Landfill.



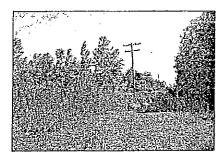
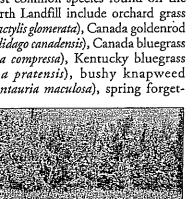


Figure 13. An area of the old field in the northeastern portion of the North Landfill.

#### Old Field

There are several areas of old field on the site. This vegetation community type is classified by Reschke as successional old field. The overall character of the old field areas tends to be the same; that is, areas dominated by forbs (broad-leaved flowering plants) and grasses. There are many species that are found throughout the old fields within the study area although the species composition and distribution varies from area to area, often times based on past use or current soil conditions. The most common species found on the North Landfill include orchard grass (Dactylis glomerata), Canada goldenrod (Solidago canadensis), Canada bluegrass (Poa compressa), Kentucky bluegrass (Poa pratensis), bushy knapweed (Centauria maculosa), spring forget-



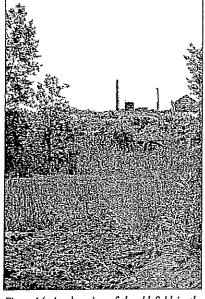


Figure 14. Another view of the old field in the northern portion of the North Landfill.

me-not (Myosotis verna), deptford pink (Dianthus armeria), white sweet-clover (Melilotus alba), timothy (Phleum pratense), ragweed (Ambrosia artemisiifolia), English plantain (Plantago lanceolata), rough bedstraw (Galium asprellum), common yarrow (Achillea millefolium), ox-eye daisy (Leucanthemum vulgare), and bird's-foot trefoil (Lotus corniculata).

Although common reed (*Phragmites australis*) is not considered an old field



Figures 15 and 16. Old field vegetation in the southern portion of the North Landfill.





Figures 17 and 18. Another view of the old field in the southern portion of the North Landfill.

species, it has spread into some of the old field areas where it has formed dense stands. In addition, a number of shrub and sapling tree species are present within the old field areas, although they collectively have less than 50 percent cover within this community type. These species include staghorn sumac (Rhus typhina), buckthorn (Rhamnus cathartica), honeysuckle (Lonicera tatarica), and Eastern cottonwood (Populus deltoides).

The most common species found on the South Landfill include Canada goldenrod, Kentucky bluegrass, Canada bluegrass, dame's-rocket (Hesperis matronalis), deptford pink, spring forget-me-not, common yarrow, ox-eye daisy, bird's-foot trefoil, common milkweed (Asclepias syriaca), and tall ironweed (Vernonia altissima). It should be noted that an access road occurs generally from north to south through the forested areas in the South Landfill, and old field vegetation has become established along this road. However, the road does not show up well on the enclosed aerial photograph and was therefore not shown on Figure 9. As with the old field areas in the North Landfill, common reed has spread into some of the old field areas in the South Landfill where it has formed dense stands.

#### Shrub Upland

Small areas of shrub upland occur within the study area and tend to grade into old field on the one side and deciduous forest on the other side, with the boundaries between the community types rather indistinguishable. In fact, shrub upland is not shown on the vegetation community type map be-

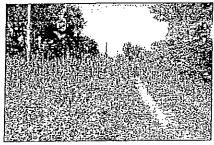
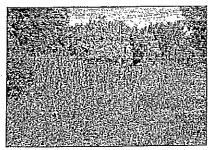


Figure 19. Old field in the northern portion of the South Landfill.



cause it was too difficult to determine

the boundaries. This community type

is classified by Reschke as successional

shrubland. As with the old field com-

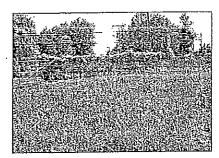
munity type, shrub uplands occur on

sites that were once cleared for farm-

ing, logging, development, etc. and

then abandoned. This particular veg-

etation community type has at least 50



Figures 20 and 21. Views of the old field in the southern portion of the South Landfill. Note how common reed has spread into this old field area.

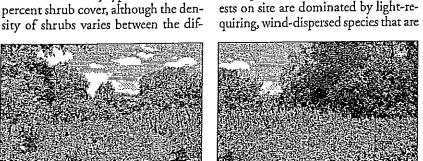
ferent areas. The most common species noted within the project study area include buckthorn and honeysuckle. **Deciduous Forest** 

The deciduous forest areas within the

site do not fit any of the forest descrip-

tions presented in Reschke. The for-

sity of shrubs varies between the dif-



Figures 23 and 24. Old field vegetation occurs along the access road in the northern portion of the South Landfill. Note the deciduous forest to the north, south, and west of this area.

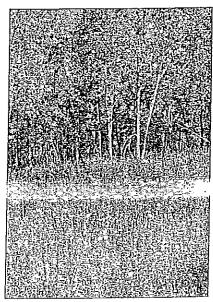


Figure 25. Successional northern hardwood forest in the northern portion of the North Landfill.

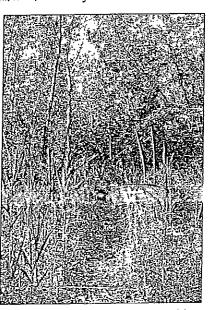


Figure 26. Successional northern hardwood forest in the western portion of the North Landfill.

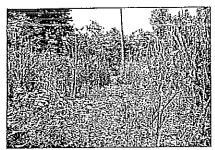


Figure 22. An area that contains old field vegetation along with common reed.

well-adapted to establishment follow-. ing disturbance, and they tend to range in age and structure from early successional to late successional (10 to 40 years old). A characteristic feature of successional forests is the lack of reproduction of the canopy species. Most of the tree seedlings and saplings in successional forests are species that are more shade-tolerant than the canopy species. Shrub layer and ground layer plants may include species characteristic of successional old fields and/or species that occurred on or near the site prior to disturbance. These forest areas tend to be rather dense in the understory and difficult to walk through.

The deciduous forest areas within the North and South Landfills are dominated by Eastern cottonwood, with black willow (Salix nigra) and box-elder (Acer negundo) being fairly common in

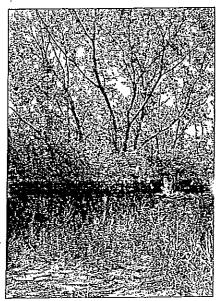


Figure 27. Dense shrubs under sparse trees in northwest corner of the South Landfill.



Figure 28. Successional northern hardwood forest in the central portion of the South Landfill.



Figures 29 and 30. Ley Creek borders the west side of the South Landfill. Dense hardwood forest and common reed border the creek.

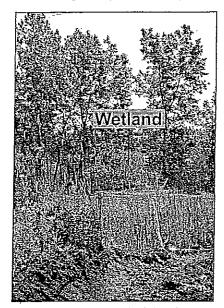


Figure 31. The emergent wetland along the eastern portion of the North Landfill.

places. Buckthorn and honeysuckle are common understory shrubs throughout these forested areas, with garlic mustard (Alliaria petiolata) being a common herbaceous species. Some of the early successional forested areas consist mostly of Eastern cottonwood saplings with an understory of yellow sweet-clover (Melilotus officinalis), white sweet-clover, ox-eye daisy, deptford pink, Canada and Kentucky bluegrass, bushy knapweed, and common St. John's-wort (Hypericum per-

#### Wetland

Two areas of wetland occur within the limits of the North Landfill and two areas of wetland occur within the limits of the South Landfill. These wetlands are similar to the shallow emergent wetland described by Reschke.

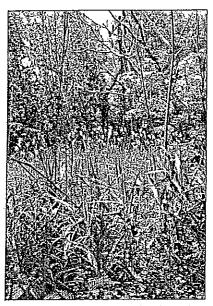


Figure 32. The emergent wetland in the southern portion of the South Landfill.

The dominant species in these areas is is common reed, although narrow-leaved cattail (*Typha angustifolia*) occurs in patches in the two wetlands in the North Landfill. Areas of open water are also present within the wetland on the east side of the North Landfill.

Several drainage channels occur within the project study area and are shown on Figure 9 (Appendix B) while Figure 33 shows the drainage patterns within both sites. Some wetland veg-

channels, including black willow, silky dogwood, purple loosestrife, and common reed. However, all but the drainageway leading into the wetland on the west side of the North Landfill are unvegetated and appear to have been created by humans.

## Rare Species

According to the U.S. Fish and Wildlife Service data, there are no rare plant species on or within a 1-mile radius of the site (refer to correspondence in Appendix A). Correspondence received from the New York Natural Heritage Program (NHP) Significant Habitat and Element Occurrence Records indicates that an unprotected vegetation community type (inland salt pond) and a threatened vascular plant (red pigweed - Chenopodium rubrum) occur within a 1-mile radius and/or 7.5 miles downstream of the site (refer to correspondence in Appendix A). However, the salt pond is highly degraded and no longer contains any salt marsh vegetation and the information on red pigweed is historical (1922 and 1940), with no recorded sightings of this plant since that time. Neither of these NHP elements occurs on or adjacent to the

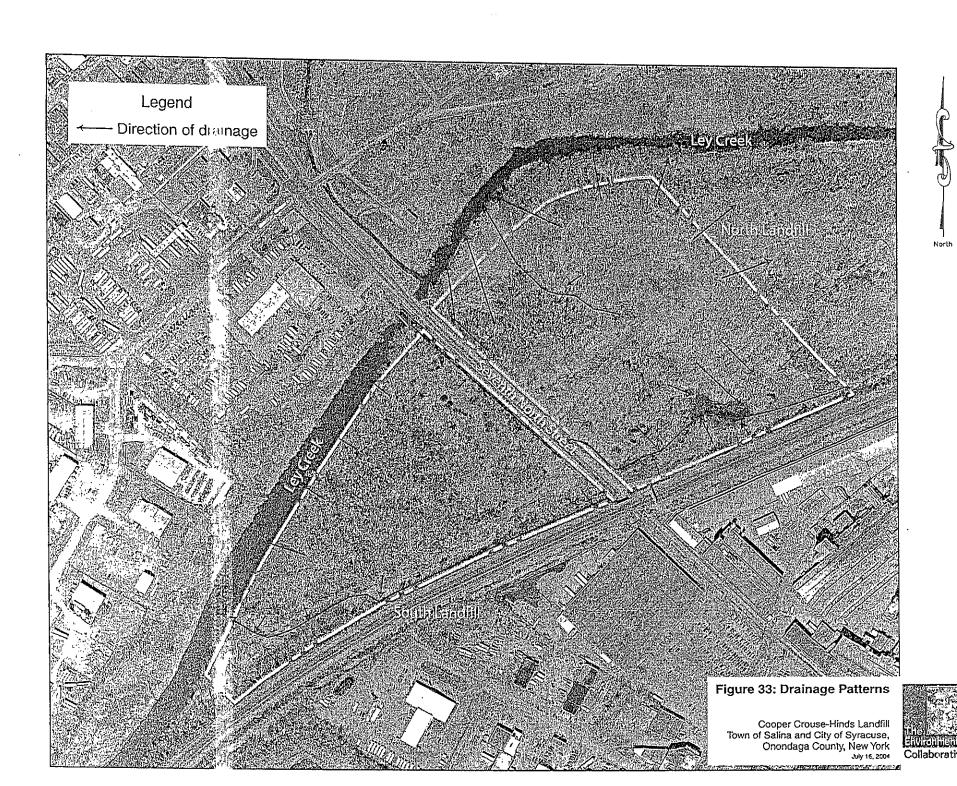
## Vegetation Summary

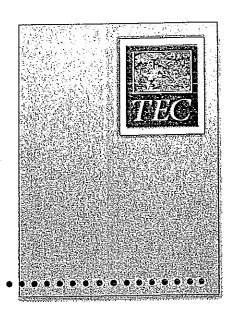
The historical topographic maps and aerial photographs provided by EDR indicate that wetland completely cov-

fills. However, the 1973 topographic map does not indicate that any wetland is present within either landfill site, although the aerial photographs and the field survey did reveal that some wetland occurs within both landfill sites, but not to the extent that was present prior to the use of the property for landfill purposes.

The vegetation community types identified on and adjacent to the site, as well as the particular species observed within them, are considered common throughout New York State. In addi-

tion, there were no visual signs of stressed vegetation (e.g., yellowed or discolored leaves, shriveled leaves, stunted growth, basal sprouting or suckering) noted anywhere on the site. Due to the relatively small size and past use of the site and the surrounding landscape, there is a noted lack of diversity in terms of vegetation community types and therefore plant species.





## Section B

Section B of the FWIA is a description of the fish and wildlife resources on the site. The purpose is to survey these resources to determine if there are any impacts due to contamination.

## Description of Fish and Wildlife Resources

The wildlife species within and around the aquatic resources located on and adjacent to the site were identified. These resources included wetlands and streams (various ditches and Ley Creek). The physical features of these aquatic habitats were noted in terms of general qualitative characteristics (i.e., gradient, flow, substrate, etc.), along with vegetation and wildlife species present. More detailed habitat characteristics (i.e., water chemistry, temperature, dissolved oxygen, etc.)

Information concerning on-site wildlife species was collected by consulting published reports. Existing data concerning wildlife resources on the site were verified and supplemented by field evaluation of the wildlife communities and habitats on site. Field inventory techniques relied primarily on visual and auditory recording of species. Birds were documented by sight and song, and evidence of breeding was noted (territorial singing, carrying nest material, nests, and carrying food for young).

Mammals were identified through direct observation of species and/or their sign (dens, tracks, droppings, bones, etc.). Reptiles and amphibians were surveyed through systematic searches of wooded areas, wetlands, and ditches. In searching for snakes and salamanders, rocks, logs, and other debris were turned over and examined. Visual surveys were used to determine turtle and fish species present within the project limits.

Observations of stress on wildlife species was noted by looking for atypical biotic conditions such as reduced density, reproduction, wildlife mortality, changes in species assemblages and distribution, and/or the absence of expected biota. Evidence of contamina-

seeps, or exposed waste, were also noted and are described below.

#### Wildlife Habitat

Given the size limitations of the site and the highly developed surrounding landscape, the site does not support a very rich wildlife species community. Much of the area contains common species that are typically associated with edge habitat, small woodlots, shrubby environments, monotypic wetlands, and a rather degraded stream (Ley Creek).

#### Fish

Although Ley Creek is not part of the project study area, it forms the western boundary of the South Landfill and therefore information regarding the classification and water quality standards, as well as fish population data, were obtained from the NYSDEC. The portion of Ley Creek adjacent to the North and South Landfills is classified as a Class C stream with C standards (S. Cook, NYSDEC, pers. comm.). There are no current records for fish populations in the NYSDEC database for this part of Ley Creek (D. Bishop, NYSDEC, pers. comm.), although historic (1971) records show that portions

NYSDEC records in Appendix A). In addition, the lower 2-mile stretch of the creek was once an excellent waterfowl marsh but has since been filled and the stream has been polluted. Fish species observed in 1971 in Ley Creek at Seventh North Street include White Sucker (Catostomus commersoni), Golden Shiner (Notemigonus cryso-

leucas), Yellow Perch (Perca flavescens), Common Carp (Cyprinus carpio), and Brook Stickleback (Culaea [Eucalia] inconstans).

#### Amphibians & Reptiles

Two species of amphibians were observed on the North Landfill (Table 3 - Appendix C) including Green Frog (Rana clamitans melanota) and Common Snapping Turtle (Chelydras. serpentina). Green Frog was observed in the wetland on the eastern side of the landfill and Snapping Turtle was noted in the drainage ditch in the southwest portion of the landfill. No amphibians or reptile species were noted on the South Landfill (Table 4 - Appendix C).

#### Birds

Twenty three species of birds were observed on the North Landfill and 17 species were observed on the South Landfill (Tables 3 and 4, respectively). The vast majority of species are those that are often found along woodland edges and shrubby fields in upland areas, habitats that are common on the landfill and adjacent property, as well as throughout much of central New York. Among the species that were particularly common on the landfill sites were Gray Catbird (Dumetella carolinensis), American Robin (Turdus migratorius), Cedar Waxwing (Bombycilla cedrorum), Northern Cardinal (Cardinalis cardinalis), Black-capped Chickadee (Poecile atricapillus), House Wren (Troglodytes aedon), American Goldfinch (Carduelis tristis), and Warbling Vireo (Vireo gilvus).

Most of the bird species noted on the site are typical of those found in relatively small woodlots throughout New

capped Chickadee, Downy Woodpecker (Picoides pubescens), and Wood Thrush (Hylocichla mustelina) were observed in the forested areas while House Wren, Warbling Vireo, Baltimore Oriole (Icterus galbula), American Crow (Corvus brachyrhynchos), and Song Sparrow (Melospiza melodia) were observed along the forest edges.

Common Yellowthroat (Geothlypis trichas), Yellow Warbler (Dendroica petechia), and Red-winged Blackbird (Agelaius phoeniceus) were observed in the wet shrubby areas and emergent wetlands.

One upland game species, American Woodcock (*Philohela minor*), was observed in the drainageway that leads to the wetland on the west side of the North Landfill site.

Great Blue Heron (Ardea herodias) and Green Heron (Butorides virescens) were observed flying over the site and could possibly be feeding on Green Frogs within the open water areas of the wetlands and/or Ley Creek. Tree Swallows (Tachycineta bicolor) were also observed feeding on insects over Ley Creek, but could possibly feed on insects over the open water within the wetland on the east side of the North Landfill.

#### Mammals

Three species of mammals were observed on the North Landfill (Table 3) including Whitetail Deer (Odocoileus virginianus), Woodchuck (Marmota monax), and Meadow Vole (Microtus pennsylvanicus). Four species of mammals were observed on the South Landfill (Table 4), including Eastern Gray Squirrel (Sciurus carolinensis), Woodchuck, Whitetail Deer, and Raccoon (Procyon lotor). Whitetail Deer and Woodchuck were particularly common on both landfill sites and were observed in, or can be expected to occur in, virtually all portions of the property. Species such as Opossum (Didelphis marsupialis) and Striped Skunk (Mephitis mephitis) can also be expected to occur in any habitat on or adjacent to the property, although none were observed

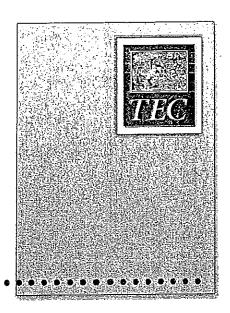
## Rare Species

According to the NHP Element Occurrence Records, the New York State Breeding Bird Atlas, and the U.S. Fish and Wildlife data, there are no rare wildlife species on or within a 1-mile radius of the site (refer to correspondence in Appendix A).

## Wildlife Summary

As mentioned in the Vegetation Summary section of this report, historical topographic (dated 1947, 1958, 1973) and photographic (dated 1959, 1966, 1978, 1988, 1995) information indicate that most of both landfills contained wetland. In addition, historical fisheries information (dated 1971) indicates that high quality waterfowl habitat existed along this stretch of Ley Creek. This type of habitat would have harbored a particular community of wildlife species that are no longer present due to loss of habitat. However, the current habitat supports a viable population of different species of wildlife, albeit a small community due to the small number of vegetation community types on and adjacent to the site, the small size and past use of the subject property, and the surrounding developed landscape. Much of the area is dominated by more common species that are typically associated with edge habitat, small woodlots, and shrubby environments. In terms of overall health of the wildlife community, none of the wildlife species observed were disfigured or showed any visible signs of stress. Wildlife species dependent on aquatic resources are often highly susceptible to contamination. However, the apparent lack of reptiles, amphibians, and fish species is not necessarily an indication of contamination from either of the two landfills. As stated previously, a number of factors could contribute to the lack of diversity of species, including lack of good quality habitat and high quality adjacent habitat from which species

mostly of landfill material with little to no topsoil which most likely accounts for the lack of dense, lush vegetation throughout the site. The lack of good quality vegetation community types, as well as the limited size of the site, precludes the occupation of the property by a vast list of wildlife species.



## Section C

n evaluation was made of the existing habitat to associated fauna. This was accomplished by determining the degree to which the habitats within the site meet the requirements for food, cover, bedding areas, breeding, and roosting sites for various species of wildlife. Qualitative assessments of fish and wildlife population densities and diversities were determined. This information was then used to assess, in a qualitative manner, the general ability of the area to support fish and wildlife.

The current and potential use of fish and wildlife resources by humans was assessed in terms of hunting, fishing, wildlife observation, scientific research, and other recreational or economic activities. Included within this assessment were resources on the site as well as immediately adjacent to the site perimeter.

# Description of rish and volunte Resource Value

The following is a discussion of the value of the Cooper Crouse-Hinds Landfill site as it relates to providing habitat for associated fauna and a resource for human use.

#### Value of Habitat to Associated Fauna

The aquatic habitats on the Cooper Crouse-Hinds Landfill site consist of emergent wetlands, one of which contains areas of open water, and several drainage ditches. The fishery resources of the site are limited to Ley Creek, the open water within one of the wetlands, and the ditches that convey water from the wetlands to Ley Creek. However, no fish species were observed in any of the aquatic habitats on either of the landfills and the fisheries dated obtained from the NYSDEC shows that Ley Creek is a poor fishery due to pollution and degradation.

The Cooper Crouse-Hinds Landfill site and the surrounding area provides a small mosaic pattern of wildlife habitat types. These include old fields, shrub uplands, deciduous forests, and wetlands. As a result of this variety of habitat types, the majority of wildlife species that occur in the area are those

small, patchy blocks of one vegetation cover type. Given that the surrounding area is highly developed, the landfill sites act as a green island or refugium in an area that otherwise is relatively devoid of wildlife species. This area is not only used by resident species of wildlife but also by birds during the fall and spring migrations.

#### Value of Resources to Humans

The fishery resources of the site are very limited and have little value to humans. There are no fish species known to exist on the Cooper Crouse-Hinds Landfill site and the only open water occurs on the North Landfill surrounded by emergent wetland.

The only other known fishery resource adjacent to the landfill property is Ley Creek. This creek is currently polluted and does not appear to support a viable population of game fish that would be of interest to fishermen. Even if the creek supported a reproducing population of game fish, public access to much of the creek is limited due to the posting of private property. Therefore, this stretch of Ley Creek has somewhat limited value to humans.

Hunting is not allowed on the property, and even though the game species (Whitetail Deer, Woodcock, Gray

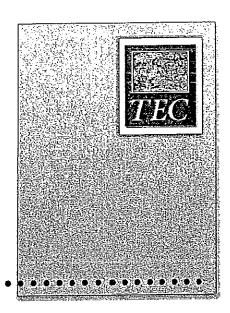
on the site readily move on and off the property, utilization of this resource is restricted due to the highly developed nature of the surrounding areas.

The primary value of the wildlife that are associated with the site would be as a resource for birdwatchers in other areas besides New York State. Although

the Cooper Crouse-Hinds Landfill site is closed to the public, the birds that breed on these sites are migratory, and during certain times of the year, can be observed in other parts of the United States as well as certain other countries, depending on the species.

In terms of the site and surrounding land providing educational, scientific

research, and recreational opportunities, these activities are restricted only by the fact that the land is under private ownership and not accessible to the public.



## Section D

Identification was made of the contaminant-specific and site-specific criteria applicable to the fish and wildlife resources for the Cooper Crouse-Hinds landfill site. Various government publications were used in determining these criteria, including the New York State Code of Rules and Regulations (6NYCRR) Parts 182, 608 701, 702, 703, and 800, and New York State Environmental Conservation Law (NYS ECL) Articles 11 and 15.

## Identification of Applicable Fish and Wildlife Regulatory Criteria

A number of New York State Codes, Rules, and Regulations that have been promulgated under the NYS ECL

Laws), as well as several Federal laws, are applicable to the Cooper Crouse-Hinds landfill site. These laws are

found in Article 11 (Fish and Wildlife), Sections 11-0503, 11-0515, and 11-0535, Article 15 (Water Resources), Title 5 (Protection of Waters), and Section 404 of the Clean Water Act. The following is a list of the contaminant-specific and site-specific regulatory criteria applicable to the site.

## Contaminant-Specific Criteria

The following 6NYCRR protecting water quality are applicable to the Cooper Crouse-Hinds landfill site:

Part 701 - Classification - Surface Waters and Groundwater

Section 701,1 General conditions applying to all water classifications.

The discharge of sewerage, industrial waste or other wastes shall not cause impairment of the best usages of the receiving water as specified by the water classifications at the location of discharge under other location of discharge under other location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location of the location

be affected by such discharge.

Part 702 - Derivation and use of Standards and Guidance Values

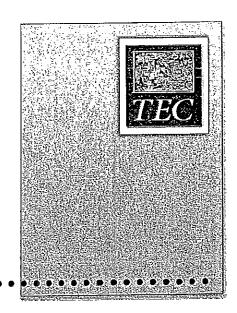
Section 702.1 Basis for derivation of water quality standards and guidance values.

- (a) The control of taste-, color-, and odor-producing, toxic and other deleterious substances is implemented through the use of standards and guidance values.
- (b) The derivation of standards and guidance values will consider, to the extent possible, variations in natural or background conditions of waters, including but not limited to alkalinity, temperature, hardness and pH.

Section 702.9 Standards and guidance values for protection of aquatic life.

(a) Standards and guidance values for the protection of the best usage of fishing shall also prevent tainting of aquatic food and shall be protective of the

life from the substances that may bioaccumulate and are referred to as aquatic values.



## References

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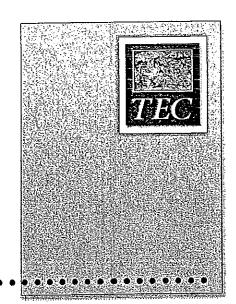
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# Appendix

Appendix A:

Agency Information -

Appendix B:

Natural Resources Maps

Appendix C:

Vegetation and Wildlife Species Lists

Appendix A:

Agency Information

# New York State Department of Environmental Conservation Division of Fish, Wildlife & Marine Resources

New York Natural Heritage Program

625 Broadway, 5th floor, Albany, New York 12233-4757

Phone: (518) 402-8935 • FAX: (518) 402-8925

Website: www.dec.state.ny.

July 23, 2004

Barbara C Reuter The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066

Dear Ms. Reuter:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the Cooper Crouse-Hinds Landfills, area as indicated on the map you provided, located in the Town of Salina and City of Syracuse, Onondaga County.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered <u>sensitive</u> and may not be released to the public without permission from the New York Natural Heritage Program.

PLEASE NOTE: We report records within a 1-mile buffer and 7.5 miles downstream of landfill project sites.

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information

Betty A Ketcham, Information Services

Commissioner

NY Natural Heritage Program

Enc.

cc: Reg. 7, Wildlife Mgr.

Reg. 7, Fisheries Mgr.

Reg. 7, Bureau of Habitat

## Natural Heritage Report on Ray . . pecies and Ecological Communities



## Prepared 22 July 2004 by NY Natural Heritage Program, NYS DEC, Albany, New York

is report contains SENSITIVE information that should be treated in a sensitive manner -- Please see cover letter. Refer to the Users' Guide for explanations of codes, ranks, and fields.

do not always provide maps of locations of species most vulnerable to disturbance, nor of some records whose locations and/or extents are not precisely known or are too large to display.

County					0- 1
Town Scientife Name, COMMON NAME, & Group Name	NY Legal Status, Heritage Ranks, & Federal Status	EO Rank & Last Seen	Detailed Location	General Habitat and Quality	Office Use
ONONDAGA					, <u>, , , , , , , , , , , , , , , , , , </u>
SALINA			•		
INLAND SALT POND Community	UNPROTE: 1ED G2 S1	D 1998-08-12	ONONDAGA SALT MARSH Danforth Pool between Route 57 and Onondaga Lake on the northeast side of the lake.	A pool fed by salt springs. Severely degraded; no salt marsh left.	4307612 S
				•	
Chenopodium rubrum RED PIGWEED Vascular Plant	THREATENED GS S2	F 1940-08-30	SALINA Salina, along shores of a lake in a park just south of Liverpool (1940). About the salt sheds south of Liverpool (1922).	Shores. Failed to find in degraded saltmarsh.	4307612 M

Page 1

<sup>2</sup> Records Processed

## USERS GUIDE TO NY NATURAL HERITAGE DATA

New York Natural Heritage Program, 625 Broadway, Albany, NY, 12233-4757 (518) 402-8935

NATURAL HERITAGE PROGRAM: The Natural Heritage Program is an ongoing, systematic, scientific inventory whose goal is to compile and maintain data on the rare plants and animals native to New York State, and significant ecological communities. The data provided in the report facilitate sound planning, conservation, and natural resource management and help to conserve the plants, animals and ecological communities that represent New York's natural heritage.

DATA SENSITIVITY: The data provided in the report are ecologically sensitive and should be treated in a sensitive manner. The report is for your in-house use and should not be released, distributed or incorporated in a public document without prior permission from the Natural Heritage Program.

NATURAL HERITAGE REPORTS (may contain any of the following types of data):

COUNTY NAME: County where the occurrence of a rare species or significant ecological community is located. TOWN NAME: Town where the occurrence of a rare species or significant ecological community is located. USGS 7 1/2 TOPOGRAPHIC MAP: Name of 7.5 minute US Geological Survey (USGS) quadrangle map (scale 1:24,000).

SIZE (acres): Approximate acres occupied by the rare species or significant ecological community at this location. A blank indicates unknown size. SCIENTIFIC NAME: Scientific name of the occurrence of a rare species or significant ecological community. COMMON NAME: Common name of the occurrence of a rare species or significant ecological community. ELEMENT TYPE: Type of element (i.e. plant, animal, significant ecological community, other, etc.)

LAST SEEN: Year rare species or significant ecological community last observed extant at this location.

EO RANK: Comparative evaluation summarizing the quality, condition, viability and defensibility of this occurrence. Use with LAST SEEN.

A-E = Extant: A=excellent, B=good, C=fair, D=poor, E=extant but with insufficient data to assign a rank of A - D.

F = Failed to find. Did not locate species, but habitat is still there and further field work is justified.

H = Historical. Historical occurrence without any recent field information.

X = Extirpated. Field/other data indicates element/habitat is destroyed and the element no longer exists at this location.

? = Unknown.

Blank = Not assigned.

NEW YORK STATE STATUS (animals): Categories of Endangered and Threatened species are defined in New York State Environmental Conservatio Law section 11-0535. Endangered, Threatened, and Special Concern species are listed in regulation 6NYCRR 182.5.

B = Endangered Species: any species which meet one of the following criteria:

1) Any native species in imminent danger of extirpation or extinction in New York.

2) Any species listed as endangered by the United States Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11

T = Threatened Species: any species which meet one of the following criteria:

1) Any native species likely to become an endangered species within the foreseeable future in NY.

2) Any species listed as threatened by the U.S. Department of the Interior, as enumerated in the Code of the Federal Regulations 50 CFR 17.11. SC = Special Concern Species: those species which are not yet recognized as endangered or threatened, but for which documented concern exists for their continued welfare in New York. Unlike the first two categories, species of special concern receive no additional legal protection under Environmental Conservation Law section 11-0535 (Endangered and Threatened Species).

P = Protected Wildlife (defined in Environmental Conservation Law section 11-0103): wild game, protected wild birds, and endangered species (

U = Unprotected (defined in Environmental Conservation Law section 11-0103): the species may be taken at any time without limit; however a licens to take may be required.

G = Game (defined in Environmental Conservation Law section 11-0103): any of a variety of big game or small game species as stated in the Environmental Conservation Law; many normally have an open season for at least part of the year, and are protected at other times.

NEW YORK STATE STATUS (plants): The following categories are defined in regulation 6NYCRR part 193.3 and apply to NYS Environments Conservation Law section 9-1503.

E = Endangered Species: listed species are those with:

1) 5 or fewer extant sites, or

fewer than 1,000 individuals, or

3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or

4) species listed as endangered by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with:

1) 6 to fewer than 20 extant sites, or

2) 1,000 to fewer than 3,000 individuais, or

3) restricted to not less than 4 or more than 7 U.S.G.S. 7 and 1/2 minute topographical maps, or

4) listed as threatened by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have:

1) 20 to 35 extant sites, or

2) 3,000 to 5,000 individuals statewide.

V = Exploitably vulnerable: listed species are likely to become threatened in the near future throughout all or a significant portion of their range withi the state if causal factors continue unchecked.

U = Unprotected; no state status.



## United States Department of the Interior



#### FISH AND WILDLIFE SERVICE

3817 Luker Road Cortland, NY 13045

July 21, 2004

Ms. Barbara C. Reuter President The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066-1246

Dear Ms. Reuter:

This responds to your letter of June 24, 2004, requesting information on the presence of Federally listed or proposed endangered or threatened species in the vicinity of the Cooper Crouse-Hinds Landfills in the City of Syracuse and Town of Salina, Onondaga County, New York.

Except for occasional transient individuals, no Federally listed or proposed endangered or threatened species under our jurisdiction are known to exist in the project impact area. In addition, no habitat in the project impact area is currently designated or proposed "critical habitat" in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). Therefore, no further Endangered Species Act coordination or consultation with the U.S. Fish and Wildlife Service (Service) is required. Should project plans change, or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered. The most recent compilation of Federally listed and proposed endangered and threatened species in New York\* is available for your information.

The above comments pertaining to endangered species under our jurisdiction are provided pursuant to the Endangered Species Act. This response does not preclude additional Service comments under other legislation.

For additional information on fish and wildlife resources or State-listed species, we suggest you contact the appropriate New York State Department of Environmental Conservation regional office(s).\* and:

New York State Department of Environmental Conservation New York Natural Heritage Program Information Services 625 Broadway Albany, NY 12233-4757 (518) 402-8935 Since wetlands may be present, you are advised that National Wetlands Inventory (NWI) maps may or may not be available for the project area. However, while the NWI maps are reasonably accurate, they should not be used in lieu of field surveys for determining the presence of wetlands or delineating wetland boundaries for Federal regulatory purposes. Copies of specific NWI maps can be obtained from:

Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca, NY 14853-5601
(607) 255-6520

web: http://iris.css.cornell.edu email: cornell-iris@cornell.edu

Work in certain waters of the United States, including wetlands, may require a permit from the U.S. Army Corps of Engineers (Corps). If a permit is required, in reviewing the application pursuant to the Fish and Wildlife Coordination Act, the Service may concur, with or without recommending additional permit conditions, or recommend denial of the permit depending upon potential adverse impacts on fish and wildlife resources associated with project construction or implementation. The need for a Corps permit may be determined by contacting the appropriate Corps office(s).\*

If you require additional information or assistance please contact Michael Stoll at (607) 753-9334.

Sincerely,

Mark W. Clough

Acting For

David A. Stilwell Field Supervisor

\*Additional information referred to above may be found on our website at: http://nyfo.fws.gov/es/esdesc.htm.

cc: NYSDEC, Syracuse, NY (Environmental Permits) NYSDEC, Albany, NY (Natural Heritage Program) COE, Buffalo, NY

# New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources, Region 7

Bureau of Figheries

1285 Fisher Avenue, Cortland, New York 13045-1090 Phone: (607) 753-3095 · FAX: (607) 753-8532

Website: www.dec.state.ny.us



IMMEDIATE ATTENTION	
Barb Reuter.	
TO: Barb Reuter  FROM: Sarial Cenon	
REGION 7 - CORTLAND OFFICE	
FAX#: 315 C37-0425 NUMBER OF PAGES H PLUS COVER  DATE: 7/1/04	
DATE: TITO	•
MESSAGE:	_
Hessage:  Historical Fisheries into on requested  area of Ley Creek.	

SMALL STREAM SURVEY FISH COLLECTION

## NEW YORK STATE CONSERVATION DEPARTMENT STREAM SURVEY

Qua Qua Yat Pre	ershed_ vious Sta	Onondas Syra Oswa ocking	ecuse 15  ego  None kn  once he	Misage (S.  Syracuse  Date_S  cown_ althouse  d trout  one  6 miles	East 7 8/12-18 th.rumo	own(s). 1:1 & (1/71 rs.pe:	D Syrac rsist	eWitt use b withor that that	. & Sest lty t .th	Salin 7 <u>k!</u> Cra	ech,	Vedge,	Vzza	
Tro Spe wa wa	ut inhabi cial feat rsh. ste. p	ted ored (\$ ores (doms Is now f: articular	falls, portified (I	None    None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   None   N	, erosion Stream cts. N	, etc.) i is g lost o	Lower rosal f the	2 mi y po. str	iles Ilut eam	was ed p has	an rimu been me a	go (50;	COVE	±).
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(away)	አጽዮ	·		soft to walk on. Therefore, of shocked. Vegetation is attalls along banks.	ixture of silt, sand, clay and	to be very uniform, having a	FTotal		Efficiency (yg trout)	79   imo (EST) 2:15 pm	Acres	) Quod Syracuse Nest 7½,	Authority L. R. Wedge	SURVEY

(over)

# Old Liverpul Rd.

N	ame of species	Abun-	Number and description
Tì	ne flow is slo	<b>V</b> •	
,			
<b>.</b>			

#### FISH COLLECTION

#### SMALL STREAM SURVEY

Date_8/18,	(71 Authori	ty L. R. Wedge
		Quod Syracuse West 71/2"
by. Lemoyn-	e Ave.	County Onondaga
15' (10-20'	) Poth 18" (to	0 4.5'Àcres
mp: A 74	₩ <u>68</u>	Time (EST) 9:45 a.m.
rands	_ Efficie	ncy (yg trout)
justed total).	None	-
H	F	Total
	•	•
, oil slick conductive g 2 wands ( and. und dead -	e present - blew (50% of a apparent	4 10A fuses on section) — blew no
	eek (3-05) 1.0 mi. by. Lemoyn 15' (10-20'  pp: A 74  vands  [justed total]  H  %), rubble , oil slick conductive g 2 wands and. und dead -	eek (3-05) 154)  1.0 mi. abv. T-1 bv. Lemoyne Ave.  15' (10-20')  pp: A 74 W 68  vands Efficie  [justed total) None  H F  %), rubble & trash , oil slick present conductive - blew g 2 wands (50% of s

# FISH COLLECTION OT SMALL STREAM SURVEY

Survey Oswego Date 8/18/71 Authority L. R. Wedge
Name and key Ley Creek (3-0SP154) Quad Syr, West 75'
Station location 7th N. Street, at T-1 County Onondaga
Length 2001 Width 20-30 Depth 2' (to 4+) Acres 2222221
Flow Temp: A 85 W 75 Time (EST) 12:20 pm.
Geor 220 RAC Homelite Efficiency (yg trout)
Young trout per scre (adjusted total) <u>None</u>
Factors: WN_HFTotal
General notes:
Pattern de 259 auchdeb 759 and

Bottom is 25% rubbish, 75% mud. Water very turbid. Wide, deep dredged section.

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Stocking policy:

1g-2\$

Stocking policy:

Section dredged in part.

	ا 1.ت	mi. q	by. T-1			- N	STACT OF 1-1
1	Name of species	Abun- dance	Number and description		Name of species	Abun- dunce	Number and description
	C. carplo		One 24" seen dead - appeared	C. 4	Commersoni	R	to 7"
		• •	to be dead less than I day.		crysoleucas	2	·· ·- <u></u> ·
	•				flavescens carpio	l c	to 30"
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New York State Department of Environmental Conservation

Services Programs Subject Index Search Highlights Contact Us Home

# NYS Breeding Bird Atlas



#### 2000-2004

# Navigation Tools Perform Another Search Show All Records Sort by Field Card Order Sort by Taxonomic Order View 1985 Data

Block 4077C Summary					
Total Species:	68				
Possible:	7				
Probable:	14				
Confirmed:	47				

Click on column heading to sort by that category.

Common Name	Scientific Name	Behavior Code	Date	<u>NY Legal</u> <u>Status</u>	
Great Blue Heron	Ardea herodias	<u>X1</u>	8/5/2001	<u>Protected</u>	
Green Heron	Butorides virescens	FL	7/12/2003	<u>Protected</u>	
Turkey Vulture	Cathartes aura	<u>X1</u>	7/15/2001	<u>Protected</u>	
Canada Goose	Branta canadensis	<b>FL</b>	6/10/2001	Game Species	
Wood Duck	Aix sponsa	FL	7/1/2002	Game Species	
Mailard	Anas platyrhynchos	<u>FL</u>	6/9/2001	Game Species	
Osprey	Pandion haliaetus	<u>X1</u>	6/10/2001	Protected- Special Concern	
Northern Harrier	Circus cyaneus	<u>P2</u>	6//2003	<u>Threatened</u>	
Cooper's Hawk	Accipiter cooperii	<u>X1</u>	8/17/2003	Protected- Special Concern	
Red-tailed Hawk Buteo jamaicensis		NE	5/25/2000	<u>Protected</u>	
		•	•		

Barn Swallow	Hirundo rustica	<u>NY</u>	7/13/2003	Protected
Black-capped Chickadee	Poecile atricapillus	<u>S2</u>	5/10/2000	Protected
Tufted Titmouse	Baeolophus bicolor	<u>S2</u>	7/6/2003	<u>Protected</u>
White-breasted Nuthatch	Sitta carolinensis	ΕΥ	5/26/2000	<u>Protected</u>
House Wren	Troglodytes aedon	NE	7/1/2002	<u>Protected</u>
Wood Thrush	Hylocichla mustelina	<u>S2</u>	5/23/2001	<u>Protected</u>
American Robin	Turdus migratorius	NE	5/10/2000	Protected
Gray Catbird	Dumetella carolinensis	EY	6/28/2000	<u>Protected</u>
Northern Mockingbird	Mimus polyglottos	EY	7/4/2000	Protected
Brown Thrasher	Toxostoma rufum	<u>X1</u>	6/1/2002	<u>Protected</u>
European Starling	Sturnus vulgaris	NY	5/9/2001	<u>Unprotected</u>
Cedar Waxwing	Bombycilla cedrorum	FL	8/17/2003	Protected
Yellow Warbler	Dendroica petechia	FY	6/28/2000	<u>Protected</u>
American Redstart	Setophaga ruticilla	<u>P2</u>	6/27/2001	<u>Protected</u>
Common Yellowthroat	Geothlypis trichas	<u>FL</u>	6/28/2000	Protected
Chipping Sparrow	Spizella passerina	FL	6/29/2001	<u>Protected</u>
Savannah Sparrow	Passerculus sandwichensis	<u>ON</u>	7/1/2002	<u>Protected</u>
Grasshopper Sparrow	Ammodramus savannarum	<u>P2</u>	7/1/2002	Protected- Special Concern
Song Sparrow	Melospiza melodia	FY	6/16/2001	Protected
Swamp Sparrow	Melospiza georgiana	<u>52</u>	7/15/2003	Protected
Northern Cardinal	Cardinalis cardinalis	FY	7/1/2002	Protected
Rose-breasted Grosbeak	Pheucticus Iudovicianus	<u>FY</u>	7/1/2002	<u>Protected</u>
Bobolink	Dolichonyx oryzivorus	<u>FY</u>	7/15/2003	Protected
Red-winged Blackbird	Agelaius phoeniceus	<u>FY</u>	6/2/2000	Protected Protected

				. "
Eastern Meadowlark	Sturnella magna	FY	7/15/2003	Protected
Common Grackle	Quiscalus quiscula	FY	6/2/2000	<u>Protected</u>
Brown-headed Cowbird	Molothrus ater	FY	7/1/2002	<u>Protected</u>
Baltimore Oriole	ltimore Oriole   Icterus galbula		7/2/2000	<u>Protected</u>
House Finch	Carpodacus mexicanus	FY	6/10/2001	<u>Protected</u>
American Goldfinch	Carduelis tristis	FL	8/31/2003	<u>Protected</u>
House Sparrow	Passer domesticus	ON	5/15/2000	<u>Unprotected</u>

Current Date: 6/24/2004

New York State Department of Environmental Conservation

Services Programs Subject Index Search Highlights Contact Us herry

## NYS Breeding Bird Atlas



#### 1980-1985

# Navigation Tools Perform Another Search Sort by Field Card Order Sort by Taxonomic Order View 2000 Data

Block 4077C Summary					
Total Species:	60				
Possible:	10				
Probable:	21				
Confirmed:	29				

Click on column heading to sort by that category.

Common Name	Scientific Name	<u>Behavior</u> <u>Code</u>	Date	NY Lega
Green Heron	Butorides virescens	P2	1983	Protected
Mallard	Anas platyrhynchos	FL	1983	Game Spe
Red-tailed Hawk	Buteo jamaicensis	NY	1980	Protected
American Kestrel	Falco sparverius	X1	1983	<u>Protected</u>
Virginia Rail	Rallus limicola	T2	1983	Game Spe
Killdeer	Charadrius vociferus	DD	1983	Protected
Spotted Sandpiper	Actitis macuiaria	<u> DD</u>	1983	Protected
Upland Sandpiper	Bartramia longicauda	<u>FL</u>	1982	Threatene
Rock Dove	Columba livia	FL.	1983	<u>Unprotect</u>
Mourning Dove	Zenaida macroura	<u>FL</u>	1983	<u>Protected</u>
Great Horned Owl	Bubo virginianus	NY	1980	Protected
Ruby-throated	Archilochus colubris	<u>X1</u>	1983	Protected

Hummingbird				
Beited Kingfisher	Ceryle alcyon	<u>X1</u>	1983	Protected
Downy Woodpecker	Picoides pubescens	FL	1983	Protected
Hairy Woodpecker	Picoides villosus	<u>D2</u>	1983	<u>Protected</u>
Northern Flicker	Colaptes auratus	<u>FL</u>	1983	<u>Protected</u>
Willow Flycatcher	Ėmpidonax traillii	<u>D2</u>	1983	<u>Protected</u>
Least Flycatcher	Empidonax minimus	<u>D2</u>	1983	<u>Protected</u>
Eastern Kingbird	Tyrannus tyrannus	<u>T2</u>	1983	<u>Protected</u>
Warbling Vireo	Vireo gilvus	<u>D2</u>	1983	Protected
Red-eyed Vireo	Vireo olivaceus	<u>T2</u>	1983	<u>Protected</u>
Blue Jay	Cyanocitta cristata	<u>P2</u>	1983	<u>Protected</u>
American Crow	Corvus brachyrhynchos	<u>P2</u>	1983	Game Spe
Horned Lark	Eremophila alpestris	FL	1984	Protected- Concern
Tree Swallow	Tachycineta bicolor	<u>FL</u> .	1983	Protected
Northern Rough-winged Swallow	Stelgidopteryx serripennis	X1	1983	Protected
Cliff Swallow	Petrochelidon pyrrhonota	X1	1983	Protected
Barn Swallow	Hirundo rustica	NE	1983	<u>Protected</u>
Black-capped Chickadee	Poecile atricapillus	<u>P2</u>	1983	<u>Protected</u>
House Wren	Troglodytes aedon	<u>D2</u> ·	1983	Protected
Veery	Catharus fuscescens	<u>X1</u>	1983	<u>Protected</u>
Wood Thrush	Hylocichla mustelina	<u>T2</u>	1983	<u>Protected</u>
American Robin	Turdus migratorius	FY	1983	<u>Protected</u>
Gray Catbird	Dumetella carolinensis	D2	1983	<u>Protected</u>
Brown Thrasher	Toxostoma rufum	<u>T2</u>	1983	Protected
European Starling	Sturnus vulgaris	FY	1983	Unprotect
Cedar Waxwing	Bombycilla cedrorum	EV	1983	Protected
Blue-winged Warbler	Vermivora pinus	X1	1983	<u>Protected</u>
Yellow Warbler	Dendroica petechia	FL	1983	<u>Protected</u>
American Redstart	Setophaga ruticilla	FL	1983	<u>Protected</u>
Common Yellowthroat	Geothlypis trichas	D2	1983	Protected
Hooded Warbler	Wilsonia citrina	<u>X1</u>	1983	Protected

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Eastern Towhee	Pipilo erythrophthalmus	<u>X1</u>	1983	Protected
Chipping Sparrow	Spizella passerina	<u>FL</u>	1983	Protected
Field Sparrow	Spizella pusilla	<u>D2</u>	1983	Protected
Savannah Sparrow	Passerculus sandwichensis	FY	1982	Protected
Grasshopper Sparrow	Ammodramus savannarum	FY	1982	Protected- Concern
Song Sparrow	Melospiza melodia	FL	1983	Protected
Swamp Sparrow	Melospiza georgiana	<u>T2</u>	1983	<u>Protected</u>
Northern Cardinal	Cardinalis cardinalis	FL	1983	Protected
Rose-breasted Grosbeak	Pheucticus Iudovicianus	<u>X1</u> ·	1983	Protected
Bobolink	Dolichonyx oryzivorus	<u>D2</u>	1983	<u>Protected</u>
Red-winged Blackbird	Agelaius phoeniceus	FY	1982	Protected
Eastern Meadowlark	Sturnella magna	<u>T2</u>	1983	<u>Protected</u>
Common Grackle	Quiscalus quiscula	FY	1983	<u>Protected</u>
Brown-headed Cowbird	Molothrus ater	FL	1983	<u>Protected</u>
Baltimore Oriole	Icterus galbula	FY	1983	<u>Protected</u>
House Finch	Carpodacus mexicanus	<u>FL</u>	1983	<u>Protected</u>
American Goldfinch	Carduelis tristis	<u>P2</u>	1983	<u>Protected</u>
House Sparrow	Passer domesticus	UN	1983	<u>Unprotect</u>

Current Date: 6/24/2004

## Amphibians and Reptiles of Syracuse West Quadrangle compiled 1 July 2004 by Alvin r. Breisch

### based on NYS Amphibian and Reptile Atlas 1990 to 1999

Town	Topo Quad	Detailed location	Scientific Name	Common Name
Geddes	Syracuse West	Just W of Burnet Park Zoo (Henry Street)	Clemmys insculpta	Wood Turde
Geddes	Syracuse West	N > Thruway 10 Miles West of Exit 39, Slovay	Chelydra s. serpentina	Common Snapping Turtle
Geddes	Syracuse West	On undaga Lake	Bufo a. americanus	Eastern American Toad
Geddes	Syracuse West	On mdaga Lake	Hyla versicolor .	Gray Treefrog
Geddes	Syracuse West	On ondaga Lake	Pseudacris c. crucifer	Northern Spring Peeper
Geddes	Syracuse West	On indaga Lake	Rana clamitans melanota	Green Frog
Gęddes	Syracuse West	On undaga Lake	Rana pipiens	Northern Leopard Frog
Geddes	Syracuse West	Ou indaga Lake	Ambystoma maculatum	Spotted Salamander
Geddes	Syracuse West	On ondaga Lake	Notophthalmus v. viridescens	Red-spotted Newt
Geddes	Syracuse West	On indaga Lake	Nerodia s. sipedon	Northern Water Snake
Geddes	Syracuse West	On indaga Lake	Storeria d. dekayi	Northern Brown Snake
Geddes	Syracuse West	Oromdaga Lake	Thamnophis sirtalis	Common Garter Snake
Geddes	Syracuse West	On indaga Lake	Chelydra s. serpentina	Common Snapping Turtle
Geddes	Syracuse West	On indaga Lake	Chrysemys picta	Painted Turtle
Geddes	Syracuse West	On indaga Lake	Sternotherus odoratus	Common Musk Turtle
Onondaga	Syracuse West	On indaga Community College Campus	Pseudacris c. crucifer	Northern Spring Peeper
Onondaga	Syracuse West	On indaga Community College Campus	Rana clamitans melanota	Green Frog
Onondaga	Syracuse West	On indaga Community College Campus	Desmognathus fuscus	Northern Dusky Salamander
.Onondaga	Syracuse West	On adaga Community College Campus	Eurycea bislineata	Northern Two-lined Salamander
Onondaga	Syracuse West	On indaga Community College Campus	Diadophis punctatus edwardsii	Northern Ringneck Snake
Onondaga	Syracuse West	On indaga Community College Campus	Thamnophis sirtalis	Common Garter Snake
Onondaga	Syracuse West	Spin Rock Quarry, just north of Split Rock Road	Pseudacris c. crucifer	Northern Spring Peeper
Onondaga	Syracuse West	Splin Rock Quarry, just north of Split Rock Road	Rana clamitans melanota	Green Frog
Onondaga	Syracuse West	Sphi Rock Quarry, just north of Split Rock Road	Rana pipiens	Northern Leopard Frog
Onondaga	Syracuse West	Spin Rock Quarry, just north of Split Rock Road	Plethodon cinereus	Northern Redback Salamander
Onondaga	Syracuse West	Splii Rock Quarry, just north of Split Rock Road	Plethodon glutinosus	Northern Slimy Salamander
Onondaga	Syracuse West	Spin Rock Quarry, just north of Split Rock Road	Diadophis punctatus edwardsii	Northern Ringneck Snake
Onondaga	Syracuse West	Spin Rock Quarry, just north of Split Rock Road	Lampropeltis t. triangulum	Eastern Milk Snake
Onondaga	Syracuse West	Spin Rock Quarry, just north of Split Rock Road	Thamnophis sirtalis	Common Garter Snake
Salina	Syracuse West	Hane ock Airport	Pseudacris c. crucifer	Northern Spring Peeper
Salina	Syracuse West	Han ock Airport	Rana clamitans melanota	Green Frog
Salina	Syracuse West	Han ock Airport	Thamnophis sirtalis	Common Garter Snake
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Salina	Syracuse West	Handrins Road between Buckley & Henry Clay in wooded swamp area	Pseudacris c. crucifer	Northern Spring Peeper
Salina	Syracuse West	Hopkins Road between Buckley & Henry Clay in wooded swamp area	Rana clamitans melanota	Green Frog
Salina	Syracuse West	Hardins Road between Buckley & Henry Clay in wooded swamp area	Rana pipiens	Northern Leopard Frog
Salina	Syracuse West	Hamisins Road between Buckley & Henry Clay in wooded swamp area	Thamnophis sirtalis	Common Garter Snake
Salina		Lude League field in Lonergan Park, North Syracuse	Bufo a. americanus	Eastern American Toad
Salina	Syracuse West	On ondaga Lake	Pseudacris c. crucifer	Northern Spring Peeper
Salina	Syracuse West	Onundaga Lake	Rana clamitans melanota	Green Frog
Salina	Syracuse West	Owodaga Lake	Rana pipiens	Northern Leopard Frog
Salina		On ordaga Lake	Nerodia s. sipedon	Northern Water Snake
Salina		Coundaga Lake	Thamnophis sirtalis	Common Garter Snake
Salina		On indaga Lake	Chelydra s. serpentina	Common Snapping Turtle
Salina C.1:		On mdaga Lake	Chrysemys picta	Painted Turtle
Salina		Syrve use Airport property, 1200 Airport Blvd., US Airways Reservation Center	Bufo a. americanus	Eastern American Toad
Syracuse - city	Syracuse West		Rana pipiens	Northern Leopard Frog
Syracuse - city Syracuse - city	Syracuse West	6. summir Ave urban residential area on steep hillside	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West Syracuse West	An around Comstock Avenue & Syracuse University	Bufo a. americanus	Eastern American Toad
Syracuse - city	Syracuse West	An around Comstock Avenue & Syracuse University	Pseudacris c. crucifer	Northern Spring Peeper
Syracuse - city	Syracuse West	Anna around Comstock Avenue & Syracuse University	Rana clamitans melanota	Green Frog
Syracuse - city	Syracuse West	Anna around Comstock Avenue & Syracuse University  Anna around Comstock Avenue & Syracuse University	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West		Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West	Are 1 around Comstock Avenue & Syracuse University Burnet Park	Thamnophis sirtalis	Common Garter Snake
Syracuse - city	Syracuse West	By Booth Hall on Syracuse Campus	Plethodon cinereis	Northern Redback Salamander
Syracuse - city	Syracuse West	Constock Ave., South of East Colvin	Thamnophis sinalis	Common Garter Snake
Syracuse - city	Syracuse West		Bufo a, americanus	Eastern American Toad
Syracuse - city	Syracuse West	Conner Jamesville Ave. & Ainsley Drive in Syracuse (City)  Grounds of Syracuse Development Center	Lampropeltis t. triangulum	Eastern Milk Snake
Syracuse - city	Syracuse West	Hallside along Jamesville Ave., Syracuse University South Campus	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Hillade along Jamesville Ave., Syracuse University South Campus  Hillade along Jamesville Ave., Syracuse University South Campus	Bufo a. americanus	Eastern American Toad
Syracuse - city	Syracuse West	Hillside along Jamesville Ave., Syracuse University South Campus	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Hillside along Jamesville Ave., Syracuse University South Campus	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West	Onlywood Cemetery	Thamnophis sirtalis	Common Garter Snake
	=	•	Storeria d. dekayi	Northern Brown Snake
Syracuse - city Syracuse - city	Syracuse West	Onkwood Cemetery	Plethodon cinereus	Northern Redback Salamander
•	Syracuse West	Park behing Corcoran High School off Glenwood Ave.	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Part behing Corcoran High School off Glenwood Ave.	Storeria o. occiptomaculata	Northern Redbelly Snake
Syracuse - city Syracuse - city	Syracuse West  Syracuse West	Park behing Corcoran High School off Glenwood Ave.  Park behing Corcoran High School off Glenwood Ave.	Plethodon cinereus Plethodon glutinosus	Northern Redback Salamander Northern Slimy Salamander

Syracuse - city

Common Garter Snake

Thamophis sirtalis

Appendix B:

Natural Resources Maps

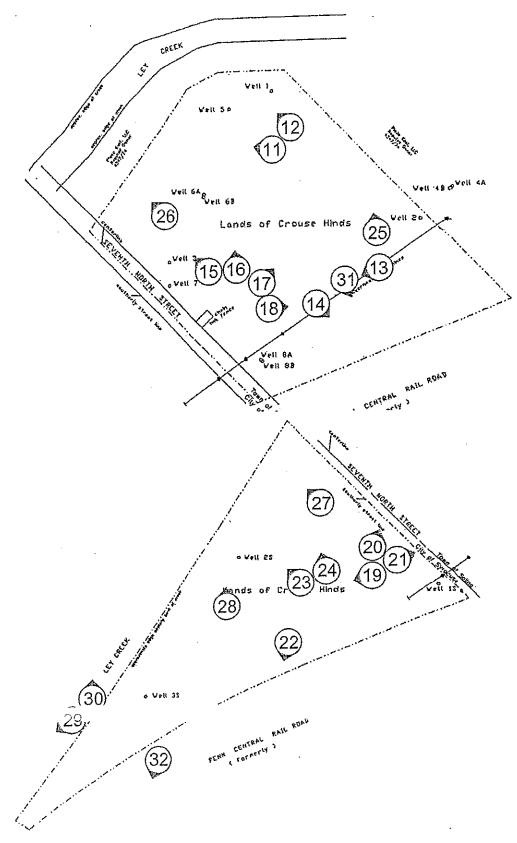


Figure 10. Photograph locations of the vegetation community types on the North and South Landfills.

Cooper Crouse-Hinds Landfill RIIFS Vegetation and Wildlife Study

Appendix C:

Vegetation and Wildlife Species Lists

#### Table 1. Vegetation Survey - Crouse Hinds North Landfill

Urticaceae (Nettle Family)

Pilea pumila

Clearweed

Jugiandaceae (Walnut Family)

Juglans nigra

Black Walnut

Caryophyllaceae (Pink Family)

Dianthus armeria

Deptford Pink

Saponaria officinalis

Bouncing-bet

Silene latifolia

White Campion

Stellaria graminea

Common Stitchwort

Polygonaceae (Buckwheat Family)

Polygonum cuspidatum

Japanese Bamboo

Rumex crispus

Curly Dock

Clusiaceae (Mangosteen Family)

Hypericum perforatum

Common St. John's-wort

Salicaceae (Willow Family)

Populus deltoides

Eastern Cottonwood

Populus tremuloides

Quaking Aspen

Salix nigra

Black Willow

Salix sp.

Willow

Brassicaceae (Mustard Family)

Alliaria petiolata

Garlic Mustard

Hesperis matronalis

Dame's-rocket

Rosaceae (Rose Family)

Geum laciniatum

Rough Avens

Potentilla recta

Sulfer Cinquefoil

, , , , , , ,

Potentilla simplex Common Cinquefoil

Fabaceae (Bean Family)

Lotus corniculata

Bird's-foot Trefoil

Medicago lupulina

Black Medic

Melilotus alba

White Sweet-clover

Melilotus officinalis

Yellow Sweet-clover

Robinia pseudo-acacia

Black Locust

Trifolium aureum

Yellow Clover

Trifolium pratense

Red Clover

Rhamnaceae (Buckthorn Family)

Rhamnus cathartica

Buckthorn

#### Vitaceae (Grape Family)

Parthenocissus quinquefolia

Virginia Creeper

Vitis aestivalis

Summer Grape

Vitis riparia

Riverbank Grape

#### Lythraceae (Loosestrife Family)

Lythrum salicaria

Purple Loosestrife

#### Aceraceae (Maple Family)

Acer negundo

Box-elder

#### Anacardiaceae (Sumac Family)

Rhus hirta

Staghorn Sumac

#### Oxalidaceae (Oxalis Family)

Oxalis stricta

Lady's-sorrel

#### Apiaceae (Carrot Family)

Daucus carota

Wild Carrot (Queen Anne's-lace)

#### Gentianaceae (Gentian Family)

Centaurium erythraea

Centaury

#### Apocynaceae (Dogbane Family)

Apocynum cannabinum

Indian Hemp

#### Asclepiadaceae (Milkweed Family)

Asclepias incarnata

Swamp Milkweed

Asclepias syriaca

Common Milkweed

Asclepias tuberosa

Butterfly-weed

Cynanchum Iouiseae

Black Swallow-wort

#### Solanaceae (Nightshade Family)

Solanum dulcamara

Trailing Nightshade

#### Boraginaceae (Borage Family)

Myosotis verna

Spring Forget-me-not

#### Lamiaceae (Mint Family)

Glechoma hederacea

Ground-ivy

Prunella vulgaris

Self-heal

#### Plantaginaceae (Plantain Family)

Plantago lanceolata

English Plantain

#### Oleaceae (Olive Family)

Fraxinus pennsylvanica

Green Ash

#### Scrophulariaceae (Figwort Family)

Linaria vulgaris

Butter-and-eggs

Penstemon digitalis

False-foxglove

Verbascum blattaria

Moth-mullein

Scrophulariaceae (Figwort Family) (cont.)

Verbascum thapsus

Mullein

Veronica serpyllifolia

Thyme-leaf Speedwell

#### Bignoniaceae (Bignonia Family)

Catalpa speciosa

Catalpa

#### Rubiaceae (Madder Family)

Galium asprellum Galium mollugo

Rough Bedstraw

White Bedstraw

#### Caprifoliaceae (Honeysuckle Family)

Lonicera tatarica

Honeysuckle

#### Dipsaceae (Teasel Family)

Dipsacus fullonum

Common Teasel

#### Asteraceae (Aster Family)

Achillea millefolium

Common Yarrow

Ambrosia artemisiifolia

Ragweed

Centauria maculosa

Bushy Knapweed

Cichorium intybus

Chicory

Erigeron philadelphicus Eupatorium rugosum

Daisy Fleabane White Snakeroot

Euthamia graminifolia Hieracium caespitosum Flat-top Goldenrod King-devil

Hieracium pilosella

Mouse-ear Hawkweed

Ox-eye Daisy

Leucanthemum vulgare Rudbeckia hirta

Black-eyed Susan

Solidago altissima Solidago canadensis

Tall Goldenrod Canada Goldenrod

Solidago gigantea

Late Goldenrod

#### Lemnaceae (Lemna Family)

Lemna minor

Duckweed

#### Juncaceae (Rush Family)

Juncus tenuis

Slender Yard-rush

#### Poaceae (Grass Family)

Bromus secalinus Cheat

Dactylis glomerata Orchard Grass
Festuca rubra Red Fescue

Hordeum jubatum Foxtail Barley
Lolium perenne English Ryegrass

Panicum capillare Witchgrass
Phleum pratense Timothy

Phragmites australis Common Reed
Poa compressa Canada Bluegrass

Poa pratensis Kentucky Bluegrass

#### Typhaceae (Cattail Family)

Typha angustifolia Narrow-leaf Cattail

#### Liliaceae (Lily Family)

Asparagus officinalis Asparagus

#### Table 2. Vegetation Survey - Crouse Hinds South Landfill

Urticaceae (Nettle Family)

Urtica dioica

Stinging Nettle

Juglandaceae (Walnut Family)

Juglans nigra

Black Walnut

Phytolaccaceae (Pokeweed Family)

Phytolacca americana

Pokeweed

Caryophyllaceae (Pink Family)

Cerastium fontanum

Common Mouse-ear

Dianthus armeria

Deptford Pink

Polygonaceae (Buckwheat Family)

Polygonum cuspidatum

Japanese Bamboo

Clusiaceae (Mangosteen Family)

Hypericum perforatum

Common St. John's-wort

Salicaceae (Willow Family)

Populus deltoides

Eastern Cottonwood

Populus tremuloides

Quaking Aspen

Salix nigra

Black Willow

Brassicaceae (Mustard Family)

Alliaria petiolata

Garlic Mustard

Brassica nigra

Black Mustard

Hesperis matronalis

Dame's-rocket

Lepidium campestre

Cow-cress

Rosaceae (Rose Family)

Fragaria virginiana

Wild Strawberry

Potentilla recta

Sulfer Cinquefoil

Fabaceae (Bean Family)

Lotus corniculata

Bird's-foot Trefoil

Medicago lupulina

Black Medic

Melilotus officinalis

Yellow Sweet-clover

Robinia pseudo-acacia

Black Locust

Lythraceae (Loosestrife Family)

Lythrum salicaria

Purple Loosestrife

Onagraceae (Evening-primrose Family)

Circaea lutetiana

Enchanter's Nightshade

#### Cornaceae (Dogwood Family)

Cornus amomum

Silky Dogwood

#### Rhamnaceae (Buckthorn Family)

Rhamnus cathartica

Buckthorn

#### Vitaceae (Grape Family)

Parthenocissus quinquefolia

Virginia Creeper

Vitis aestivalis

Summer Grape

Vitis riparia

Riverbank Grape

#### .Aceraceae (Maple Family)

Acer negundo

Box-elder

#### Anacardiaceae (Sumac Family)

Rhus hirta

Staghorn Sumac

#### Balsaminaceae (Touch-me-not Family)

Impatiens capensis

Spotted Jewelweed

#### Asclepiadaceae (Milkweed Family)

Cynanchum Iouiseae

Black Swallow-wort

#### Solanaceae (Nightshade Family)

Solanum dulcamara

Trailing Nightshade

#### Convolvulaceae (Morning-glory Family)

Ipomoea sp.

Morning-glory

#### Cuscutaceae (Dodder Family)

Cuscuta gronovii

Common Dodder

#### Boraginaceae (Borage Family)

Myosotis verna

Spring Forget-me-not

#### Verbenaceae (Verbena Family)

Verbena urticifolia

White Vervain

#### Lamiaceae (Mint Family)

Slechoma hederacea

Ground-iv/

Lamium album

Snowflake

Leonurus cardiaca

Motherwort

Nepeta cataria

Catnip

Teucrium canadense

Wild Germander

#### Scrophulariaceae (Figwort Family)

Linaria vulgaris

Butter-and-eggs False-foxglove

Penstemon digitalis Verbascum blattaria

Moth-mullein

Verbascum thapsus

Mullein

Veronica arvensis

Corn Speedwell

#### Rubiaceae (Madder Family)

Galium asprellum

Rough Bedstraw

#### Caprifoliaceae (Honeysuckie Family)

Lonicera tatarica

Honeysuckle

#### Asteraceae (Aster Family)

Achillea millefolium

Common Yarrow

Cirsium arvense

Canada Thistle

#### Asteraceae (Aster Family) (cont.)

Cirsium vulgare

**Bull-thistle** 

Eupatorium rugosum

White Snakeroot

Leucanthemum vulgare

Ox-eye Daisy

Solidago altissima

Tall Goldenrod

Solidago canadensis

Canada Goldenrod

Solidago gigantea

Late Goldenrod

Vernonia gigantea

Tall Ironweed

#### Lemnaceae (Lemna Family)

Lemna minor

Duckweed

#### Poaceae (Grass Family)

Bromus inermis

Smooth Brome

Bromus secalinus

Cheat

Panicum capillare .

Witchgrass

Phragmites australis

Common Reed

Poa compressa

Canada Bluegrass Kentucky Bluegrass

Poa pratensis Setaria viridis

Green Foxtail

#### Mammals

Sciuridae (Squirrel Family)

Marmota monax

Woodchuck

Cricetidae (Mice, Rat, Vole Family)

Microtus pennsylvanicus

Meadow Vole

Cervidae (Deer Family)

Odocoileus virginianus

Whitetail Deer

Birds

Ardeidae (Heron and Bittern Family)

Ardea herodias

Great Blue Heron (fly-over)

Laridae (Gull Family)

Larus delawarensis

Ring-billed Gull (fly-over)

Columbidae (Pigeon and Dove Family)

Zenaida macroura

Mourning Dove

Picidae (Woodpecker Family)

Colaptes auratus

Northern Flicker

Picoides pubescens

Downy Woodpecker

Tyrannidae (Tyrant Flycatcher Family)

Empidonax minimus

Least Flycatcher

Vireonidae (Vireo Family)

Vireo gilvus

Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos

American Crow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus

Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon

House Wren

Turdidae (Thrush Family)

Turdus migratorius

American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis

Gray Catbird

Birds (cont.)

#### Bombycillidae (Waxwing Family)

Bombycilla cedrorum

Cedar Waxwing

#### Parulidae (Wood-warbler Family)

Dendroica petechia

Yellow Warbler

Geothypis trichas

Common Yellowthroat

Setophaga ruticilla

American Redstart

#### Emberizidae (Sparrow Family)

Melospiza melodia

Song Sparrow

Melospiza georgiana

Swamp Sparrow

#### Cardinalidae (Cardinal Family)

Cardinalis cardinalis

Northern Cardinal

#### Icteridae (Blackbird Family)

Agelaius phoeniceus

Red-winged Blackbird

Icterus galbula

Baltimore Oriole

Quiscalus quiscula

Common Grackle

#### Fringillidae (Finch Family)

Carduelis tristis

American Goldfinch

#### Reptiles and Amphibians

#### Chelydridae (Snapping Turtle Family)

Chelydra serpentina

Snapping Turtle

#### Ranidae (True Frog Family)

Rana clamitans melanota

Green Frog

#### Mammals :

Procyonidae (Raccoon Family)

Procyon lotor

Raccoon

Sciuridae (Squirrel Family)

Marmota monax

Woodchuck

Sciurus carolinensis

Easter Gray Squirrel

Cervidae (Deer Family)

Odocoileus virginianus

Whitetail Deer

**Birds** 

Ardeidae (Heron and Bittern Family)

Butorides virescens\*

Green Heron (fly-over)

Picidae (Woodpecker Family)

Colaptes auratus

Northern Flicker

Picoides pubescens

Downy Woodpecker

Tyrannidae (Flycatcher Family)

Empidonax traillii

Willow Flycatcher

Vireonidae (Vireo Family)

Vireo gilvus

Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos

American Crow

Hirundinidae (Swallow Family)

Tachycineta bicolor

Tree Swallow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus

Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon

House Wren

Turdidae (Thrush Family)

Hylocichla mustelina

Wood Thrush

Turdus migratorius

American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis

Gray Catbird

Bombycillidae (Waxwing Family)

Bombycilla cedrorum

Cedar Waxwing

Birds (cont.)

Parulidae (Wood-warbler Family)
as Common Yellowthroat

Geothypis trichas Setophaga ruticilla American Redstart

Cardinalidae (Cardinal Family)

alis Northern Cardinal

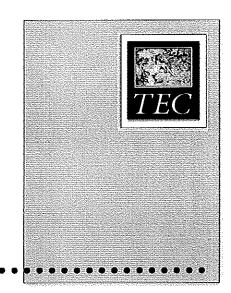
Cardinalis cardinalis

Fringillidae (Finch Family)

American Goldfinch

Carduelis tristis

# ATTACHMENT 5 WETLAND DELINEATION REPORT



# Cooper Crouse-Hinds Landfill Wetland Delineation Report

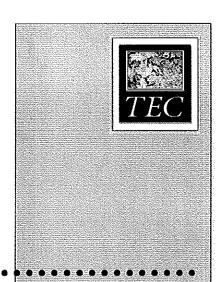
February 2006

#### **Prepared For:**

Cooper Crouse-Hinds c/o Delta Environmental Consultants 104 Jamesville Road Syracuse, New York 13214

### Prepared By:

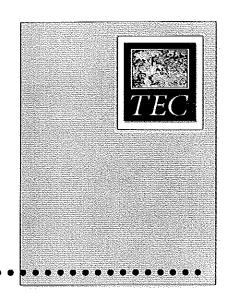
Barbara C. Reuter The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066-1246 315-637-3701



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# **Executive Summary**

elta Environmental Consultants, on behalf of Cooper Crouse-Hinds, contracted The Environmental Collaborative (TEC) to delineate and describe the waters of the United States on a 21-acre parcel of land in the Town of Salina and a 15acre parcel of land in the City of Syracuse, Onondaga County, New York. The waters of the United States, as defined by the U.S. Army Corps of Engineers (Corps), include all lakes, ponds, rivers, streams (intermittent and perennial), mudflats, sandflats, and wetlands (except certain isolated wetlands).

Along with identifying on-site waters of the United States, TEC was requested to complete a wetland delineation report that will allow the Corps to determine the extent of their jurisdiction over the project area pursuant to Section 404 of the Clean Water Act. It will also allow the NYSDEC to determine the extent of their jurisdiction over the

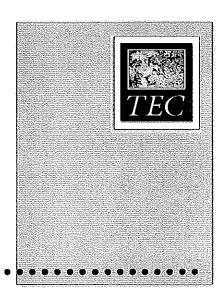
project area pursuant to Section 401 of the Clean Water Act.

Prior to initiating a field investigation of the site, a review of available information pertaining to existing vegetation, soils, and hydrology were conducted. Sources of information included the NYSDOT 7.5 minute topographic maps (Syracuse West quadrangle), the National Wetland Inventory maps, the NYSDEC Freshwater Wetlands maps, the Onondaga County Soil Survey, and a 2003 aerial photograph.

Methods specified by the 1987 Corps of Engineers Wetlands Delineation Manual and Classification of Wetlands and Deepwater Habitats of the United States (Cowardin 1979) were used to perform a field delineation on the subject property. The purpose of the delineation was to verify and supplement the information obtained during preliminary data review. A modified routine sam-

pling procedure, following the procedure for areas greater than five acres in size, was chosen for the field investigation. Wetland determinations at sampling locations were based on three criteria (vegetation, soils, and hydrology).

Based on a field investigation and delineation, three wetlands, two streams, and one ditch that meet the criteria of federal jurisdictional waters of the United States were identified. The onsite portions of the wetlands total 6.53 acres and the streams and ditch total 3,575 linear feet. Although the wetland and streams meet the specified criteria of federal jurisdictional wetlands and waters of the United States, according to a 1980 Memorandum of Agreement between the Corps and U.S. Environmental Protection Agency (re-executed in 1989), it is the ultimate responsibility of the Corps to determine the full extent of their jurisdiction over all waters of the U.S.



## Introduction

At the request of Delta Environmental Consultants, on behalf of Cooper Crouse-Hinds, TEC conducted a wetland delineation on a 21-acre parcel of land in the Town of Salina and a 15-acre parcel of land in the City of Syracuse, Onondaga County, New York. The purpose was to delineate and describe the wetland and other water resources that occur within the limits of the project site. This report constitutes a description of the

wetlands and streams that occur on the property and the methodology used to determine the boundaries of these areas. The report provides the Corps and NYSDEC with the requisite information about the site such that all water resources and related permitting requirements can be identified. In addition, it will support any subsequent permit applications submitted to the Corps (Buffalo District) and NYSDEC (Region 7), if necessary.

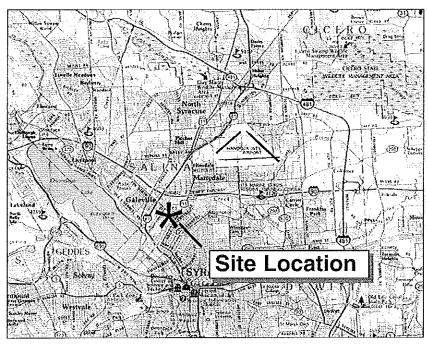


Figure 1. Location of the site in the Town of Salina and the City of Syracuse, Onondaga County, NY.

### Site Description

The subject site is located northwest of the operating Crouse-Hinds Company manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 04' 28" N, Longitude 076 ° 10' 13" W), in the Town of Salina and the City of Syracuse, Onondaga County, New York (Figure 1). The subject site (hereinafter the "site") consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill). According to available information, the North Landfill is approximately 21 acres in size and the South Landfill is approximately 15 acres in size.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The site is located in an area of mixed usage including light industrial/manufacturing, commercial, and residential. Seventh North Street is oriented eastwest and separates the two landfills that comprise the site. Undeveloped woods and wetlands border the site to the north. Railroad tracks followed by the Cooper Crouse-Hinds facility, Wolf Street, and residential development border the site to the east. Undeveloped woods, wetlands, and mixed commercial development border the site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station, and I-81 are present to the west

of the site. The northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by Plaza East, LLC. The northwest boundary of the South Landfill is adjacent to Ley Creek.



# Agency Resource Information

Prior to initiating a field survey of the project site, existing environmental data were collected. The sources of this data include the following:

- NYSDOT 7.5-minute topographic maps (Syracuse West, 1990)
- National Wetland Inventory map (aerial photography 1981)
- Freshwater Wetlands Map of the NYSDEC (1986)
- U.S. Department of Agriculture, Soil Conservation Service, Soil Survey of Onondaga County, New York, 1977)
- NYS Interactive Mapping Gateway aerial photograph (2003)

This information provides an indication of the probable occurrence and general location of water resources under federal and state regulation within the limits of the project site.

## NYSDOT Map

This map indicates a relatively flat to slightly sloping landscape. There are no streams or wetlands shown to occur within the project area although Ley Creek is shown to border the site on the west (Figure 2).

## **NWI Map**

This map shows the presence of a wetland on the west side of the North Landfill (Figure 3 on page 5). This wetland is classified as a palustrine, forested/ scrub-shrub, broad-leaved deciduous wetland that is seasonally saturated (PFO/SS1E).

## **NYSDEC Map**

This map does not show the presence of any wetlands or streams within the project area (Figure 4 on page 5). However, Ley Creek is shown to occur along the west side of both landfills.

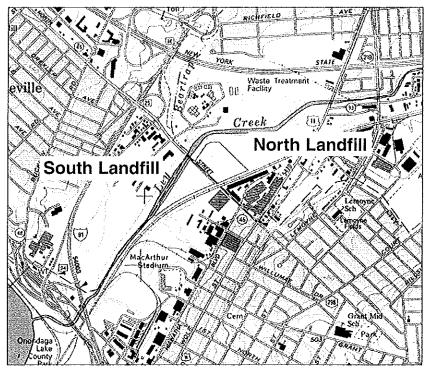


Figure 2. North Landfill and South Landfill shown on the NYSDOT 7.5-minute topographic map (Syracuse West quadrangle).

### Onondaga County Soil Survey

The soils on the site (Figure 5 on page 6) are mapped by the U.S. Natural Resource Conservation Service (NRCS formerly the Soil Conservation Service) (USDA SCS, 1977, sheet no. 22) as Carlisle muck (Ce) and Made Land. Carlisle muck is classified as a hydric soil type.

### Carlisle (Ce)

The soils in the Carlisle series consist of deep, very poorly drained muck soils that formed in woody organic deposits. These soils occur in bogs and have more than 51 inches of organic material over a mineral substratum of calcareous marl, or sand, silt, clay, or a combination of the three. In Carlisle soils, water is at or ponded on the surface during the wetter parts of the year. These soils are shown on the soil map as occurring in the northern and eastern portions of the North Landfill.

### Aerial Photograph

The 2003 aerial photograph (Figure 6 on page 6) shows that the subject area is undeveloped in terms of buildings, roads, parking lots, etc. Areas that appear to be wetland and/or open water can also be seen on this photograph in the western and eastern portions of the North Landfill and along the eastern and southern portions of the South Landfill.

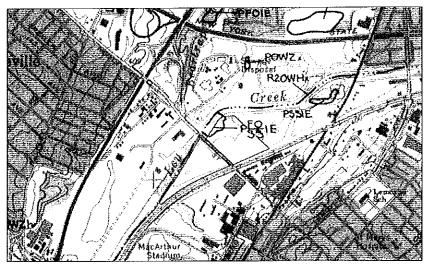


Figure 3. North Landfill and South Landfill shown on the NWI map.

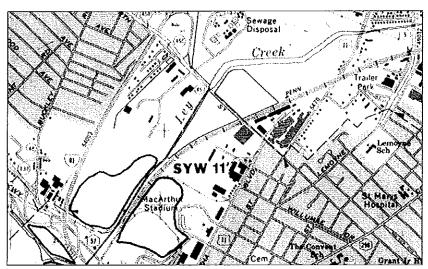


Figure 4. North Landfill and South Landfill shown on the NYSDEC Freshwater Wetland map.

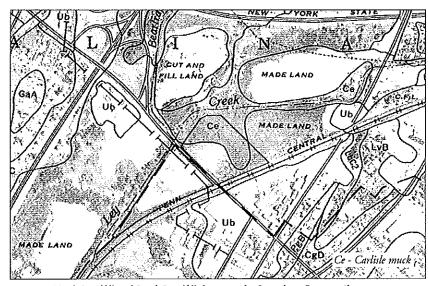


Figure 5. North Landfill and South Landfill shown on the Onondaga County soils map.

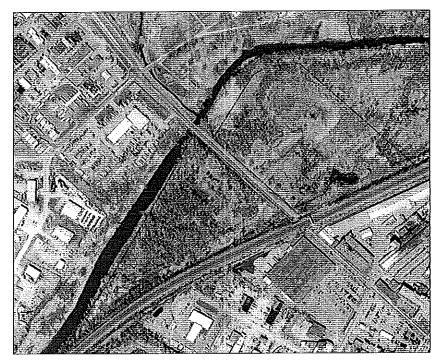
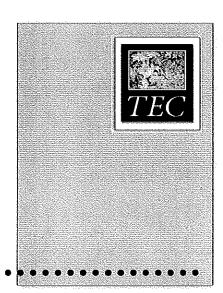


Figure 6. North Landfill and South Landfill shown on a 2003 aerial photograph.



# Methodology

The wetland delineation was performed on October 20, 2005 by Barbara C. Reuter, Botanist and Wetland Specialist of TEC. The boundaries of the wetland and streams were delineated according to the methodology put forth in the 1987 Corps of Engineers Wetlands Delineation Manual (hereafter referred to as the 1987 Corps Manual) and Classification of Wetlands and Deepwater Habitats of the United States (Cowardin, L.M., et.al., 1979). Figure 7 (Appendix A) shows the extent of the wetlands and other water resources in the subject area.

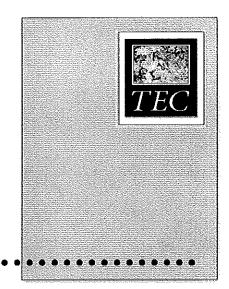
Boundaries of the waters of the United States that occur within the project area were flagged using surveyor's ribbon. The wetland boundaries were surveyed by Mr. George Venditti, Jr. Observations of vegetation, soils, and hydrologic conditions were used for the placement of the flagging. Data on vegetation, soils, and hydrology were collected in 8 pairs of sampling plots along the boundaries of the wetland/upland, as indicated in Figure 8 (Appendix A). Field/summary data sheets for these plots are presented in Appendix B. The locations of representative photographs showing the wetlands, streams, ditch, and upland areas are indicated on Figure 9 in Appendix A.

Vegetation data collection focused on dominant plant species in four categories: trees (>3" DBH), saplings and shrubs (<3.0" DBH and >3.2' tall), woody vines, and herbs (<3.2' tall). Dominance was measured by visually estimating those species having the largest relative basal area (trees), greatest height (saplings/shrubs), greatest number of stems (woody vines), and greatest percentage of areal coverage (herbs) by species. The species were rank ordered for each category by decreasing value of percent cover. The dominant species for each category are defined as those plants with the highest ranking which, when cumulatively totaled, immediately exceed 50 percent of the total dominance measure for that category, plus any additional plant species comprising 20 percent or more of the total dominance measure for the category. The indicator status for each species was determined by reference to the National List of Plant Species That Occur in Wetlands: Northeast (Region 1) (Reed 1988), or by reference to species habitat descriptions from various botanical sources for those species not on the national list. Scientific nomenclature for plant species follows that in Revised Checklist of New York State

Plants (Mitchell and Tucker 1997). A sampling plot was determined to have wetland vegetation if 50 percent or more of all dominant plant species are of facultative (FAC), facultative-wetland (FACW), or obligate (OBL) indicator status, as described in the 1987 Corps Manual.

Soils information was collected using a combination Dutch soil auger. Information concerning soil series, subgroup, drainage classification, texture, and matrix and mottle color was obtained at each sampling location.

Hydrologic characteristics (inundation and soil saturation) were visually assessed to the depth of the corresponding soil sample. The 1987 Manual lists the following indicators as evidence of hydrology: 1) visual observation of inundation, 2) visual observation of soil saturation, 3) watermarks, 4) drift lines, 5) sediment deposits, 6) absence of leaf litter, 7) encrusted detritus, and 8) drainage patterns. Based on professional judgment, the following additional indicators were used as evidence of hydrology: 1) water-stained leaves and 2) oxidized root zones.



# Results of the Delineation ...

he wetland delineation revealed that portions of three wetlands, two streams, and one ditch occur within the limits of the property (refer to Figure 7 in Appendix A). Data on vegetation, soils, and hydrology supporting the boundaries of the wetlands and streams are presented in Appendix B.

### GENERAL SUMMARY

Two areas of wetland occur within the limits of the North Landfill and one area of wetland occurs within the limits of the South Landfill. In addition, one stream flows through the eastern side of the North Landfill and another stream flows through the east side of the South Landfill. Finally, a ditch occurs along the northern boundary of the South Landfill. The acreages and/



Figure 11. The northern edge of Wetland A. The boundary occurs at the base of the fill (2005).

or length of these water resources is presented below in Table 1.

The boundaries of these wetlands, streams, and ditch are quite obvious based on changes in topography as well as differences in the vegetation, soils, and hydrology. The following is a discussion on the vegetation, soils, and hydrology for the water resources that

Wetland/Stream	Size/Length
Wetland A	2.63 ac.
Wetland B	2.61 ac.
Wetland C	1.29 ac.
Stream A	675 l.f.
Stream B	1,825 l.f.
Ditch	1,075 l.f.

Table 1. A list of the wetland, streams, and ditch delineated on the property and their total sizellength in acres/linear feet.

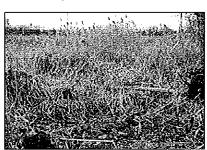


Figure 12. Another view of Wetland A looking to the south (2005).

were identified in the subject area along with a description of the surrounding uplands.

#### Wetland A

The on-site portion of Wetland A, which occurs along the southeastern side of the North Landfill, measures 2.63 acres. This wetland is an emergent wetland with a small component of open water and a number of trees and shrubs around the perimeter.



Figure 10. Portions of Wetland A are dominated by common reed (2005).



Figure 13. Standing water within Wetland A is obvious at the edge of the wetland (2005).



Figure 14. An area of open water is present within the southwestern portion of Wetland A (2005).

#### Vegetation

The dominant species in Wetland A is common reed (*Phragmites australis*), although narrow-leaved cattail (*Typha angustifolia*) and purple loosestrife (*Lythrum salicaria*) occur in several areas. Black willow (*Salix nigra*), silky dogwood (*Cornus amomum*), shrub willow (*Salix* sp.), and sensitive fern (*Onoclea sensibilis*) are found around the perimeter of this wetland. Duckweed (*Lemna minor*) was noted in areas with standing water.

#### Soils

The soils in the wetland have been mapped as Carlisle muck and Made Land. However, the soils noted during the delineation consist of very dark gray (10YR3/1) silty clay loam with a component of muck to a depth of greater than 12 inches.

#### Hydrology

At the time of the delineation, the soils in the wetland were saturated and there was standing water in places up to 8 inches deep. In addition, water stained





Figure 15. A stream flows out of Wetland A, crosses under Seventh North Street, and flows through a manmade ditch to Ley Creek (2005).

leaves were noted in the wetland which is a secondary indicator of a wetland hydrologic regime.

#### Stream A and Ditch

A stream flows out of the western portion of Wetland A, turns to the northwest where it flows parallel to Seventh North Street, and then flows under Seventh North Street to the South Landfill via a culvert. The length of the stream in the North Landfill measures 675 linear feet. After the stream flows under Seventh North Street, it flows through a manmade ditch which parallels the street and eventually joins Ley Creek. Water from off-site flows onto the property (South Landfill) in a ditch which joins the ditch just described. The entire length of the ditch on the South Landfill property is 1,075 linear feet.

#### Vegetation

There is no wetland vegetation within this stream, although purple loosestrife and common reed are present in the portion of the stream that parallels Seventh North Street. The vegetation with-



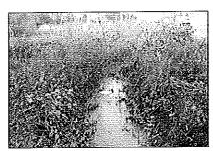


Figure 16. The ditch on the north side of the South Landfill. This ditch carries water to Ley Creek from off-site as well as the North Landfill (2005).

in the stream where it becomes a roadside ditch in the South Landfill consists of purple loosestrife, common reed, and various asters (*Aster* spp.) and goldenrods (*Solidago* spp.).

#### Soils

The soils in the stream and ditch have been mapped as Made Land which appears to be the case although the soils have taken on some of the characteristics of Fluvaquents. These soils consist of alluvial soils and recent deposits of soil materials carried downstream.

#### Hydrology

At the time of the delineation, the stream and ditch contained up to 6 inches of flowing water.

#### Wetland B

Wetland B, the on-site portion of which measures 2.61 acres, occurs in the northwestern portion of the North Landfill. This wetland occurs immediately adjacent to and is within the floodplain of Ley Creek. It is bordered on the upland side by the landfill.



Figures 17 through 19. Three views of Wetland B along Ley Creek (2005). Most of the wetland did not have any standing water except for a small area at the middle of the delineation line, as seen in Figure 19. However, the soils were saturated throughout the wetland.



Figure 20. The edge of Wesland B adjacent to the North Landfill (2005).

#### Vegetation

This dominant species in the northern portion of this wetland are swamp buttercup (Ranunculus septentrionalis) and garlic mustard (Alliaria petiolata) while the dominant species within the southern portion of the wetland is common reed. Black willow is scattered throughout the wetland while Eastern cottonwood (Populus deltoides) occurs around the edge in the southern portion of the wetland.

#### Soils

The soils in the wetland have been mapped as Made Land which appears to be the case although the soils have taken on some of the characteristics of Fluvaquents, as described previously.

#### Hydrology

At the time of the delineation, the soils in the wetland were saturated to various depths ranging from the surface to 8 inches below the surface. There was no standing water anywhere in the wetland except for a small area toward the middle of the delineation line between the wetland and the upland, as seen in Figure 19 on page 9.

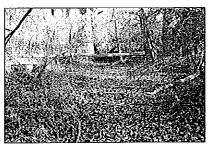


Figure 22, Stream B along the southeastern property boundary (2005).



Figure 21. Ley Creek as seen from the edge of Wetland B (2005).

#### Stream B

Stream B, which measures 1,825 linear feet, consists of a broad, well-defined streambed that appears to pick up and carry flow from the previously described ditch during heavy precipitation events. The start of this stream is physically connected to the ditch, but is higher in elevation and therefore appears to only convey water when there is an overflow situation in the ditch. The stream channel runs parallel to the Penn Central Railroad and then turns to follow the northern edge of Wetland B where it eventually joins Ley Creek. The boundary of the stream is quite obvious based on changes in elevation.

#### Vegetation

There was no vegetation within the stream where it parallels the railroad embankment. However, common reed is the dominant species where the stream turns away from the railroad bed and flows through Wetland C.

#### Soils

The soils in the wetland have been mapped as Made Land which appears

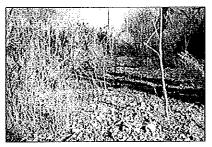


Figure 23. The southern portion of the stream along the railroad bed (2005).

to be the case although the soils have taken on some of the characteristics of Fluvaquents, as described previously.

#### Hydrology

At the time of the delineation, the soils in the stream where it parallels the railroad embankment were dry. However, the soils in the stream were saturated to the surface and there was surface water present (up to 4 inches) where the stream joins Wetland C.

#### Wetland C

Wetland C occurs in the southwestern part of the South Landfill, the on-site portion of which measures 1.29 acres. This is an emergent wetland with no open water areas.

#### Vegetation

The dominant species in these areas is common reed, although narrow-leaved cattail occurs in a few patches.

#### Soils

The soils in the wetland have been mapped as Carlisle muck and Made Land. However, the soils noted during the delineation consist of very dark gray (10YR3/1) silty clay loam with a component of muck to a depth of greater than 12 inches.

#### Hydrology

At the time of the delineation, the soils in the wetland were saturated and there was standing water in places up to 4 inches deep. In addition, water stained leaves were noted in the wetland which

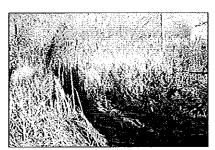


Figure 24. The southern boundary of Wetland C (2005).

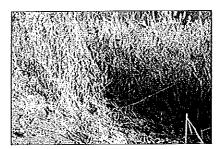


Figure 25. The northern boundary of Wetland C (2005).

is a secondary indicator of a wetland hydrologic regime.

#### **Upland Areas**

There are a number of upland vegetation community types on the site, including old field, shrub upland, and deciduous forest.

#### Vegetation

The following is a description of each of the upland community types with a list of the most common species.

#### Old Field

There are several areas of old field on the site. The overall character of the old field areas tends to be the same; that is, areas dominated by broadleaved flowering plants (forbs) and grasses. There are many species that are found throughout the old fields within the study area although the species composition and distribution varies from area to area, often times based on past use or current soil conditions. The most common species found on the North Landfill include orchard grass (Dactylis glomerata), Canada goldenrod (Solidago canadensis), Canada bluegrass

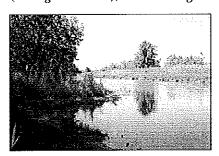


Figure 28. Ley Creek as seen from the edge of the South Landfill (2004).

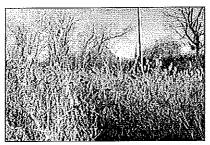


Figure 26. A view of Wetland C from north to south (2005).

(Poa compressa), Kentucky bluegrass (Poa pratensis), bushy knapweed (Centauria maculosa), spring forget-me-not (Myosotis verna), deptford pink (Dianthus armeria), white sweet-clover (Melilotus alba), timothy (Phleum pratense), ragweed (Ambrosia artemisiifolia), English plantain (Plantago lanceolata), rough bedstraw (Galium asprellum), common yarrow (Achillea millefolium), ox-eye daisy (Leucanthemum vulgare), and bird's-foot trefoil (Lotus corniculata).

Although common reed is not considered an old field species, it has spread into some of the old field areas where it has formed dense stands. In addition, a number of shrub and sapling tree species are present within the old field areas, although they collectively have less than 50 percent cover within this community type. These species include staghorn sumac (*Rhus typhina*), buckthorn (*Rhamnus cathartica*), honeysuckle (*Lonicera tatarica*), and Eastern cottonwood.

The most common species found on the South Landfill include Canada goldenrod, Kentucky bluegrass, Canada bluegrass, dame's-rocket (*Hesperis* matronalis), deptford pink, spring for-

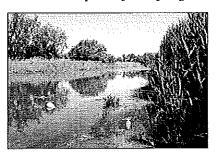


Figure 29. Another view of Ley Creek as seen from the edge of the South Landfill (2004).

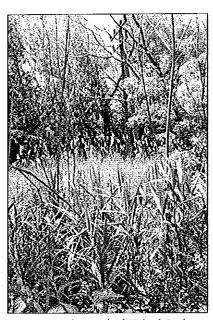


Figure 27. A photograph of Wetland C taken in 2004.

get-me-not, common yarrow, ox-eye daisy, bird's-foot trefoil, common milk-weed (*Asclepias syriaca*), and tall iron-weed (*Vernonia altissima*). It should be noted that an access road occurs generally from north to south through the forested areas in the South Landfill, and old field vegetation has become established along this road. As with the old field areas in the North Landfill, com-



Figure 30. One of the areas of old field within the South Landfill (2004).



Figure 31. One of the areas of old field within the North Landfill (2004).

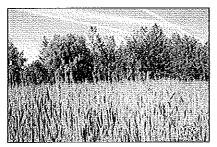


Figure 32. A photograph of the old field in the northern portion of the North Landfill (2004).

mon reed has spread into some of the old field areas in the South Landfill where it has formed dense stands.

#### Shrub Upland

Small areas of shrub upland occur within the study area and tend to grade into old field on the one side and deciduous forest on the other side, with the boundaries between the community types rather indistinguishable. As with the old-field community type, shrub uplands occur on sites that were once cleared for farming, logging, development, etc. and then abandoned. This particular vegetation community type has at least 50 percent shrub cover, although the density of shrubs varies

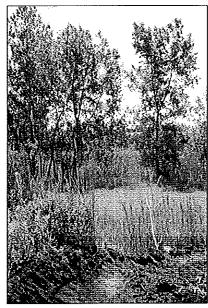


Figure 33. An area of old field in the North Landfill looking out over Wetland A (2004).

between the different areas. The most common species noted within the project study area include buckthorn and honeysuckle.

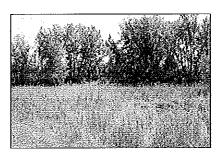
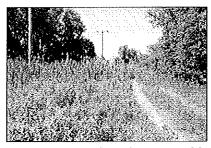


Figure 34. Old field is a prevalent vegetation type within the North Landfill (2004).

#### **Deciduous Forest**

The forests on site are dominated by light-requiring, wind-dispersed species that are well-adapted to establishment following disturbance, and they tend to range in age and structure from early successional to late successional (10 to 40 years old). A characteristic feature of successional forests is the lack of reproduction of the canopy species. Most of the tree seedlings and saplings in successional forests are species that are more shade-tolerant than the canopy species. Shrub layer and ground layer plants may include species characteristic of successional old fields and/or species that occurred on or near the site prior to disturbance. These forest ar-





Figures 35 and 36. Small patches of old field vegetation are common in the northern portion of the South Landfill (2004).

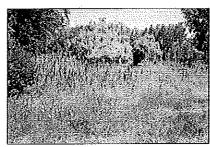


Figure 37. Shrub upland and forested areas in the South Landfill can be seen in the background and sides of this photograph (2004).

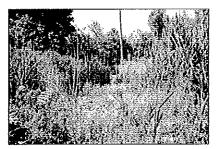


Figure 38. Dirt roads traverse the site in the South Landfill and cut through areas of shrub upland (2004).

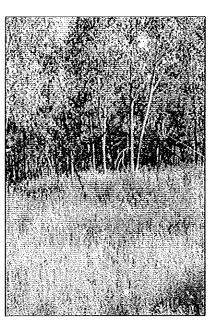


Figure 39. Successional hardwood forest in the northern part of the North Landfill (2004).

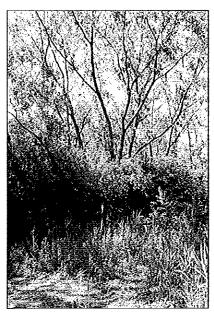


Figure 40. Successional northern hardwood forest in the western portion of the North Landfill (2004).

eas tend to be rather dense in the understory and difficult to walk through.

The deciduous forest areas within the North and South Landfills are dominated by Eastern cottonwood, with



Figure 41. Successional northern hardwood forest in the western portion of the South Landfill (2004).

black willow and box-elder (Acer negundo) being fairly common in places. Buckthorn and honeysuckle are common understory shrubs throughout these forested areas, with garlic mustard being a common herbaceous species. Some of the early successional forested areas consist mostly of Eastern cottonwood saplings with an understory of yellow sweet-clover (Melilotus officinalis), white sweet-clover, ox-eye daisy, deptford pink, Canada and Kentucky bluegrass, bushy knapweed, and common St. John's-wort (Hypericum perforatum).



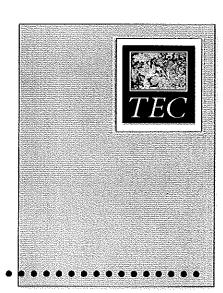
Figure 42. The root ball of a tree that has tipped over shows a small amount of soil interspersed with fill material (2005).

#### Soils

The soils in the upland areas are mapped by the NRCS as Made Land and this was confirmed during the wetland delineation. In fact, a photograph of the root mass of a tree that has tipped over shows the fill material that can be found throughout both landfill areas (Figure 42).

#### Hydrology

At the time of the delineation, the soils in the upland areas were dry and there were no primary or secondary indicators of wetland hydrology.



# Conclusions

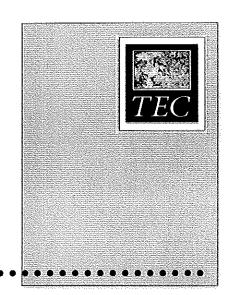
eview of agency and other pertinent information, along with a field investigation, were performed to determine the presence of water resources under federal jurisdiction on a 36-acre parcel of land located on the Cooper Crouse-Hinds landfill sites in the Town of Salina and City of Syracuse, Onondaga County, New York. Investigation of existing data indicated the possible presence of an area that might meet the three wetland criteria (wetland vegetation, hydric soils, and wetland hydrology) established by the Corps in the 1987 Manual. Based on the NYSDEC Freshwater Wetlands Map, there are no wetlands under the jurisdiction of the state. However, a forested/scrub-shrub wetland is shown

on the NWI map as occurring on the west side of the North Landfill adjacent to Ley Creek. In addition, the soil survey indicates an area of Carlisle muck in the North Landfill extending from Ley Creek to the Penn Central Railroad tracks on the opposite side of the property.

The field investigation confirmed the presence of three wetlands, two streams, and one ditch that meet the criteria of federal jurisdictional water resources. Wetlands A and C are dominated by common reed with small components of narrow-leaved cattail and purple loosestrife. Wetland C is within the floodplain of Ley Creek and has some patches of common reed although

other wetland species are also present. A stream (Stream A) flows out of Wetland A, parallels North Seventh Street, and then flows under the street onto the South Landfill property where it continues to parallel the street until it joins Ley Creek. Another stream (Stream B) flows parallel to the Penn Central Railroad tracks and then turns to the west where it flows along the northern boundary of Wetland C and into Ley Creek.

The entire upland area within both sides of the property consists of land-fill material that has become overgrown with old field, scrub-shrub upland, and successional hardwood forest vegetation community types.



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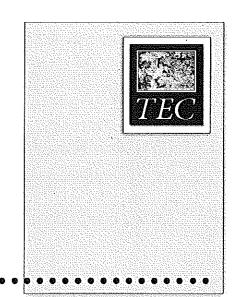
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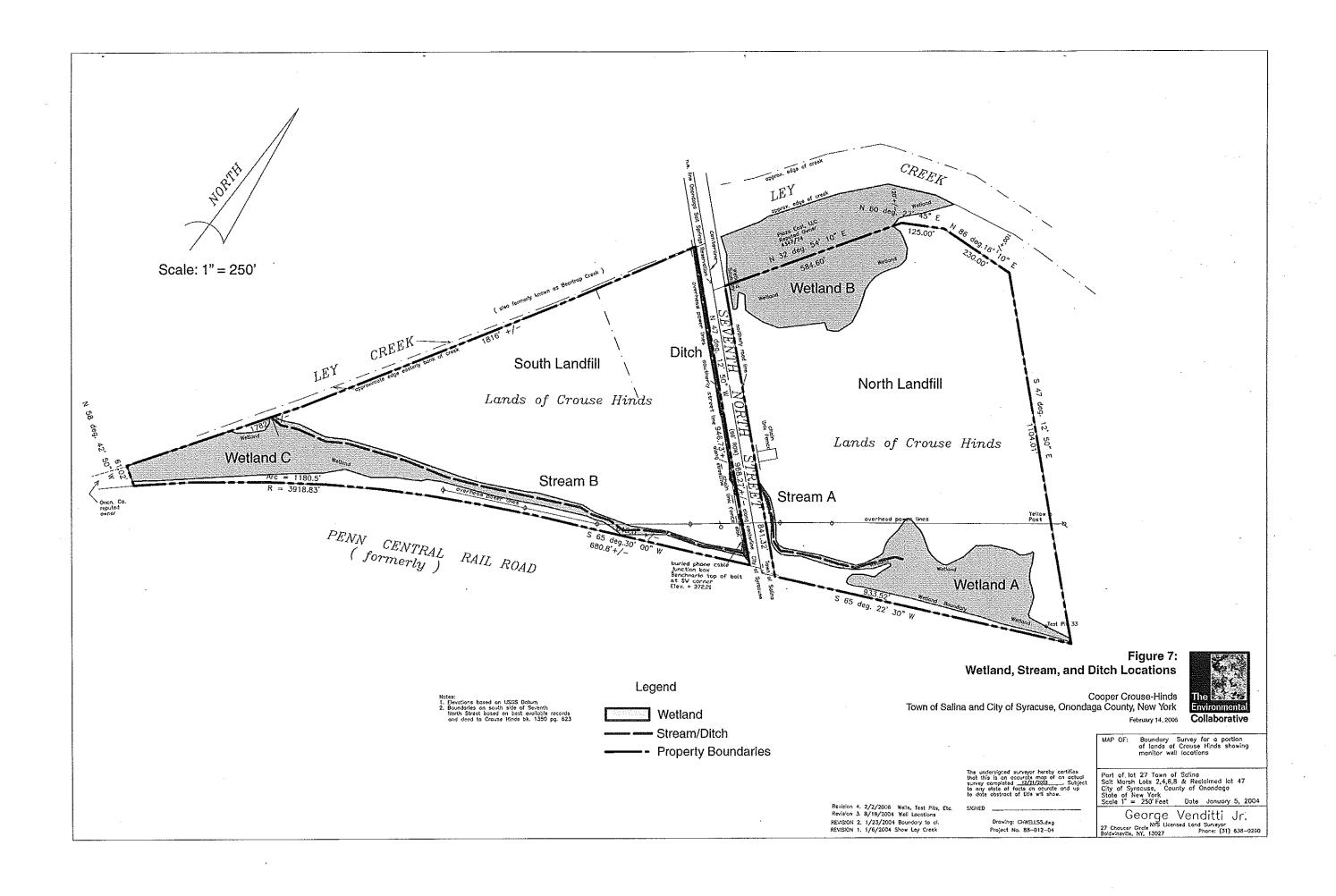
# **Appendix**

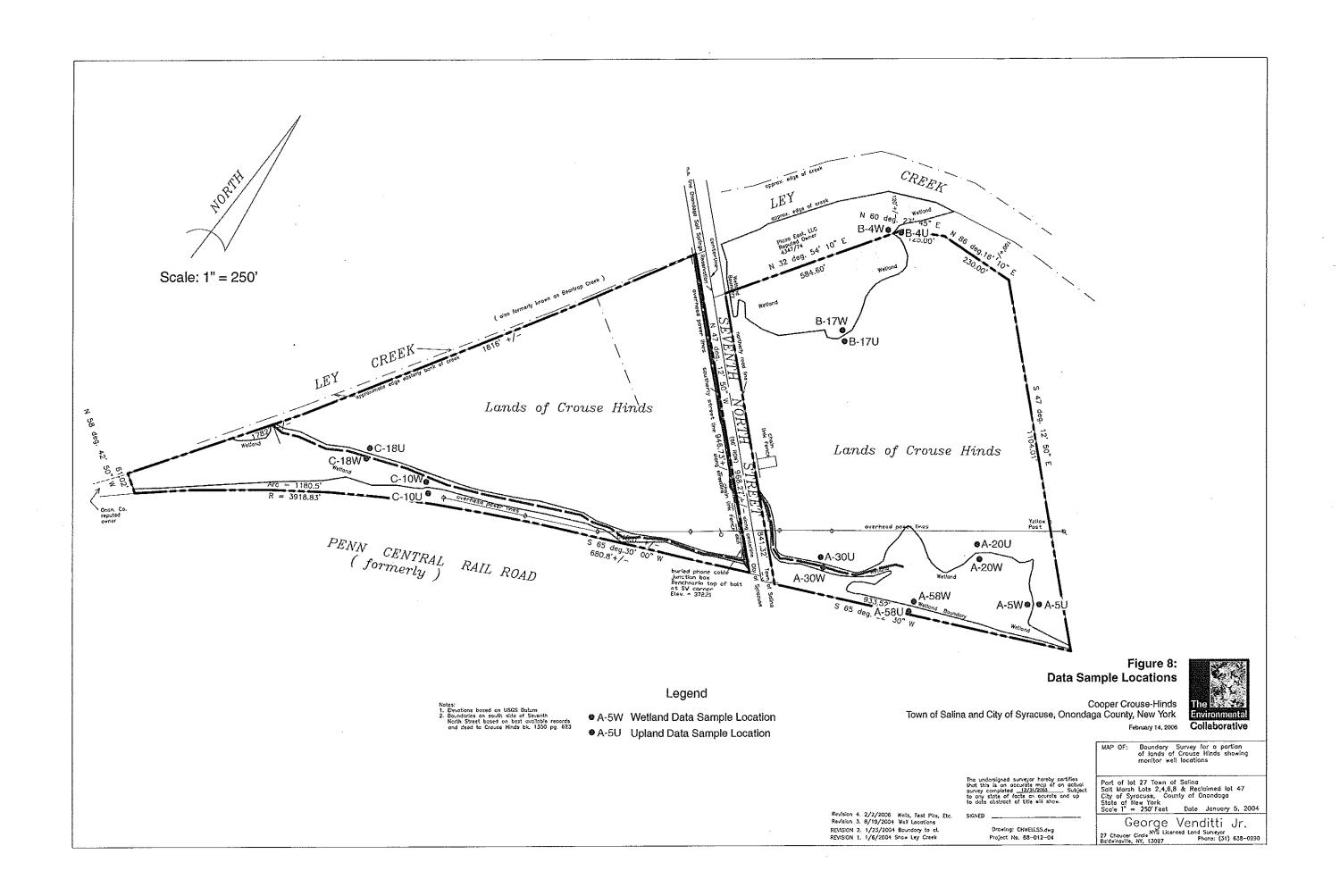
Appendix A:
Wetland Maps

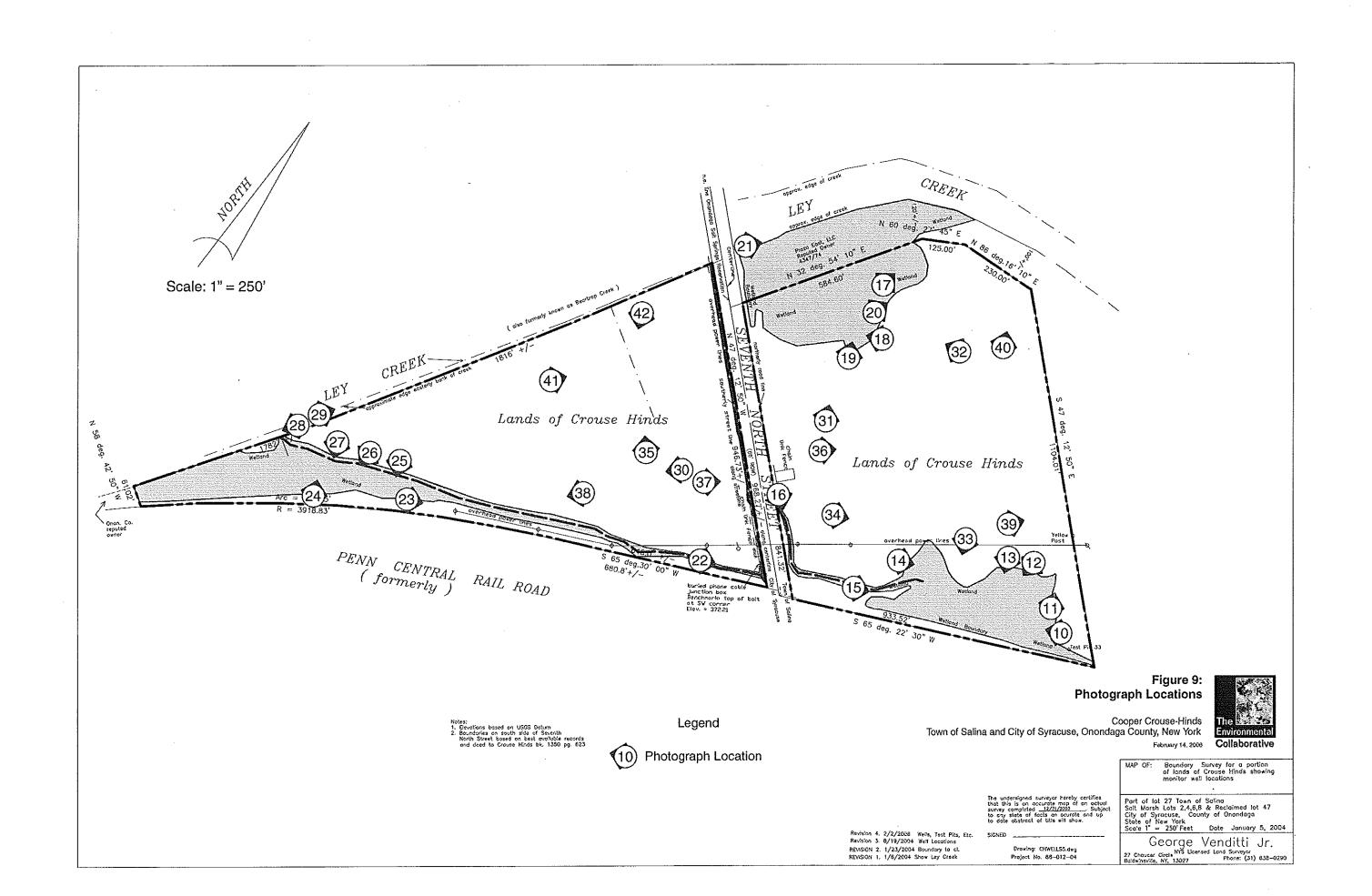
Appendix B: Data Sheets

Appendix A:

Wetland Maps







Appendix B:

Data Sheets

	Nov. 14, 2005	Town/City: SalinaSyracuse  County: Onondaga  State: New York  Community: L. /  Wetland ID: A. 5/1/19		
		Plot ID: 17 Jeans		
SOILS				
Series and Phase (best fit): Lapped as Mac  Subgroup: Slope: < 10/0  Depth Horizon Matrix Mottles (In.) Color	Confirm Mapp	s: PD SORT OF DE NO PExture, Structure, Other		
>12"		of silf, loon clay		
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Cother (Explain in Remarks)				
Remarks:				
HYDROLOGY				
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water (in.) Depth to Free Water (in.) Depth to Saturated Soil (in.)	Secondary Indicator	o Upper 12"  Seposits  Setterns in Wetlands  s (2 or more required):  oot Channels in Upper 12"  ed Leaves  Survey Data  al Test		
Remarks:				

Project Code: Delta - Cooper-Crouse Hinds		Plot ID:	7-5ujet
Applicant: Cooper-Crouse Hinds			1 1 2
VEGETATION			
Dominant Plant Species Stratum Indicator	- F	-	Stratum Indicator
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2	_ 12		
3	. 13		·
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6	. 16		
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9			
10			
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Spe OBL or FACW		100%
Remarks:			
WETLAND DETERMINATION			
Hydrophytic Vegetation Present? (Yes) No	Hydric Soils Present?		Yes No
Wetland Hydrology Present? (Yes) No	Is this Sampling Point Within a Wetland?	ŧ	Yes No
Remarks:			
	·		

	igator(s): BCR Town/City: SalinaSyracuse County: Onondaga State: New York		
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community: SU  Wetland ID: A  Plot ID: A-549		
SOILS			
Series and Phase (best fit): Udor Uhan 4  Subgroup: Slope: 2%	TOUN Drainage Class: WD		
Subgroup: Slope: U/o	Confirm Mapped Type? Yes No		
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other		
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Other (Explain in Remarks)			
Remarks: sterp slope into well and			
HYDROLOGY			
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil O(in.)	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)		
Remarks:			

Project Code: Delta - Cooper-Crouse Hinds		Plot ID:	A.500	_
Applicant: Cooper-Crouse Hinds				-
VEGETATION				
Dominant Plant Species Stratum Indicator	Dominant Plant Spe	ecies	Stratum Indicat	tor
1. Rhannus cath, S UPL	11.	<del></del>		
2 alliana priadaby Fact				- 11
3. Populus dil Hoides T. Facul	13			_
4	14			-
5				- 11
6	16	•		_
7	17.			_
8	18		<del></del>	_
9	19			_
10	20			-
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Spe OBL or FACW	ecies that are	33%	
Remarks:				`\
WETLAND DETERMINATION				
Hydrophytic Vegetation Present? Yes No	Hydric Soils Present?		Yes (No)	
Wetland Hydrology Present? Yes No	Is this Sampling Point Within a Wetland?	· ·	Yes (No)	
Remarks:				_

	Town/City: SalinaSyracuse County: Onondaga State: New York  Community: EX / Wetland ID: A Z Ou 184			
SOILS				
Series and Phase (best fit): Lapped as Mark (are Subgroup:  Slope: Slope: 1/6  Depth Horizon Matrix Mottles (In.) Color  7/2' 10YE 3/1  Hydric Soil Indicators:	Confirm Mapped Type? (Fest No  Texture, Structure, Other  MIN Of Silf Joann much			
Histisol Concretions High Organic Content in Surface Layer of Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Hydric Soil List Reducing Conditions Listed on National Hydric Soil List Gleyed or Low Chroma Colors Other (Explain in Remarks)  Remarks:				
HYDROLOGY	-			
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water (in.) Depth to Free Water (in.) Depth to Saturated Soil (in.)	Wetland Hydrology Indicators:  Primary Indicators			
Remarks:				

### DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

			t de la company de la company de la company de la company de la company de la company de la company de la comp
Project Code: Delta - Cooper-Crouse Hinds		Plot ID:	7- 20, 1x L
Applicant: Cooper-Crouse Hinds			
			-
VEGETATION			
Dominant Plant Species Stratum Indicator			Stratum Indicator
1. Phhagmilia anab. H Flow	11	At Marian and American	
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6	16		
7	17		
8	18		
9	19		
10	20		
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Remarks: Other species for thick	Out Type	a ang	Lutikolia
Remarks: Offer species Josephia	Lythiune	calica	dech.
· .		LAKLIKO	
WETLAND DETERMINATION			
Hydrophytic Vegetation Present? (Yes) No	Hydric Soils Present?		Yes No
Wetland Hydrology Present? Yes No	Is this Sampling Point Within a Wetland?	i	Yes No
Remarks:			

	stigator(s): <u>BCR</u> :: _Nov. 14, 2005	Town/City: SalinaSyracuse County: Onondaga State: New York		
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)		Community: SALLIKO  Wetland ID: 12  Plot ID: 120 UP		
SOILS				
Series and Phase (best fit): Udor the erris. 40  Subgroup: Slope: 2%  Depth Horizon Matrix Mottles	•	ass: WD  pped Type? (es) No  Texture, Structure, Other		
(In.) Color				
Hydric Soil Indicators:  Histisol Histic Epipedon Histic Odor Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Hydric Soil Indicators: Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)				
Remarks: Steep slope into wetland				
HYDROLOGY				
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil U(in.)	Secondary Indicate  —— Oxidized  —— Water-sta  —— Local Soi  —— FAC Neu	s d d d d d d d d d d d d d d d d d d d		
Remarks:	4			

### DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

		(Figure 1997)		
Project Code: Delta - Cooper-Crouse Hinds		Plot ID:	220	11:
Applicant: Cooper-Crouse Hinds		Photo No.: _		
VEGETATION				
Dominant Plant Species Stratum Indicator	r Dominant Plant Spe	ecies	Stratum	Indicator
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7			•	
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9		,	,	
10				
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Spec		<u>////00</u> ;	o, <u>1</u> 9
Remarks:				
WETLAND DETERMINATION				
Hydrophytic Vegetation Present? (Yes) No	Hydric Soils Present?		Yes (	(Ño)
Wetland Hydrology Present? Yes No	Is this Sampling Point Within a Wetland?		مار بابع	No
Remarks: Stay Warne Dioper		,	, , , , , , , , , , , , , , , , , , ,	
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Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)		Community: Strand		
SOILS				
Series and Phase (best fit): Flowa files Subgroup: Slope: 10/0  Depth Horizon Matrix Mottles		pped Type? Yes No  Texture, Structure, Other		
(In.) Color				
Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions	Concretions High Organic Content in Organic Streaking in Sar Listed on Hydric Soil Li Listed on National Hydr Other (Explain in Reman	ist ric Soil List		
Remarks: Stream				
HYDROLOGY				
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water (in.) Depth to Free Water (in.) Depth to Saturated Soil (in.)	Secondary Indicate  —— Oxidized  —— Water-stai  —— Local Soi  —— FAC Neut	in Upper 12" in Upper 12" inks es Deposits Patterns in Wetlands ors (2 or more required): Root Channels in Upper 12" ined Leaves I Survey Data		
Remarks:				

### DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)

		Plot ID:/	VJ- 51.01	1104
Applicant: Cooper-Crouse Hinds		Photo No.: _		
VEGETATION				
Dominant Plant Species Stratum Indicator	r Dominant Plant Spe	secies	Stratum I	Indicator
1. Sunna axino H OBL				
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5.				
6.				]
7				
9				
10				
Paraont of Dominant Species that are				
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Spe OBL or FACW	cies that are	100	0
Remarks:				
			-	
WETLAND DETERMINATION				
Hydrophytic Vegetation Present? (Yes) No	Hydric Soils Present?		(Yes) N	No
Wetland Hydrology Present? Yes No	Is this Sampling Point Within a Wetland?	,	(Yes) N	No
Remarks: Salacon				
And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t				

(1987 COE Wetlands Delineation Manual)

,	igator(s): BCR Town/City: SalinaSyracuse County: Onondaga State: New York		
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community: OF  Wetland ID: A  Plot ID: A 3000		
SOILS			
Series and Phase (best fit): Udinnthamは、如う			
Subgroup: Slope: 2%	Confirm Mapped Type? Yes No		
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other		
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)			
Remarks: well-defined channel			
HYDROLOGY			
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations:  Depth of Surface Water (in.) Depth to Free Water (in.) Depth to Saturated Soil (in.)	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)		
Remarks:			

175.

## DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION

Project Code: Delta - Cooper-Crouse Hinds  Applicant: Cooper-Crouse Hinds		Plot ID:
VEGETATION		
1. Poaceae H FACU  2. M. Danita anto H FACU  3. Solidago can. H FACU  4	13	
9		
Remarks: Scoutilica Populus Migra Rhannus Courhaidica		
WETLAND DETERMINATION	H	Stream
Hydrophytic Vegetation Present? Yes No  Wetland Hydrology Present? Yes No	Hydric Soils Present?  Is this Sampling Point Within a Wetland?	Yes (No) t Yes (No)
Remarks:		

Project Code: Delta - Cooper-Crouse Hinds Inves	tigator(s): BCR Town/City: SalinaSyracuse County: Onondaga			
Applicant: Cooper-Crouse Hinds Date	Nov. 14, 2005  State: New York			
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community: Ev / Wetland ID: _A Plot ID: _A 58web			
SOILS				
Series and Phase (best fit): Mage as Mag Subgroup: Slope: 40/0				
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other			
712° 1076.3/1	nuis of silf loons			
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)				
HYDROLOGY				
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil Depth to Saturated Soil	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)			
Remarks:				

# DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION

Project Code: Delta - Cooper-Cro	ouse Hinds		Plot ID:	-58 Web
Applicant: Cooper-Crouse Hinds	3			
18				
VEGETATION				
Dominant Plant Species	Stratum Indicator	Dominant Plant Spe	ecies	Stratum Indicator
1. Phrao. 2110 Molio	H FACLU	11.		
2. Salinep.	S. PACITY	12		
3. <u>Lyandor</u>				
4				,
5		15.		
6		16		
7		17	-	
8		18		
9				
10	. —— ——	20		
Percent of Dominant Species that are OBL, FACW, or FAC	100%	Percent of Dominant Spo OBL or FACW	ecies that are	100%
Remarks:				
			_	
WETLAND DETERMINATION	1			
Hydrophytic Vegetation Present?	(Yes) No	Hydric Soils Present?		(Yes) No
Wetland Hydrology Present?	Yes) No	Is this Sampling Point Within a Wetland?	ıŧ	Yes) No
Remarks:	-			
į				

	Town/City: SalinaSyracuse County: Onondaga State: New York			
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community: SII  Wetland ID: A  Plot ID: A-58 Up			
SOILS				
Series and Phase (best fit): UNDOUTALAGE - Rf				
Subgroup: Slope: Slope:	Confirm Mapped Type? Yes No			
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other			
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Hydric Soil Indicators: Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)				
Remarks:				
HYDROLOGY				
Recorded Data (Describe in Remarks):	Wetland Hydrology Indicators:			
Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water (in.) Depth to Free Water (in.)	Primary Indicators Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves			
Depth to Saturated Soil	Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)			

### DATA FORM (Page 2) ROUTINE WETLAND DETERMINATION

Project Code: Delta - Cooper-Cr	ouse Hinds		Plot ID:	15300
Applicant: Cooper-Crouse Hinds		Photo No.:	/	
VEGETATION				
Dominant Plant Species	Stratum Indicator	Dominant Plant Sp	ecies	Stratum Indicator
1. Bharrano Oath.	<u> S UPL</u>	11.		
2		12.		
3	_ *	13.		
4	<u></u>	14		Annual and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state
5,		15		
6		16		
7		17	<del></del>	
8		18	······································	
9	-,	19		
10	- — — —	20		
Percent of Dominant Species that ar OBL, FACW, or FAC	<sup>re</sup> <u>0%</u>	Percent of Dominant Spe OBL or FACW	ecies that are	0%
Remarks: Jun Solidas	<del></del>	Lillar		
ν υ	ł William Jan			
WETLAND DETERMINATION	1			
Hydrophytic Vegetation Present?	Yes (No)	Hydric Soils Present?		Yes (No)
Wetland Hydrology Present?	Yes No	Is this Sampling Point Within a Wetland?	t	Yes No
Remarks:				

Project Code: Delta - Cooper-Crouse Hinds Investigator  Applicant: Cooper-Crouse Hinds Date: No  Do normal circumstances exist on the site? Yes No  Is the site significantly disturbed? Yes No  Is the area a potential Problem Area? Yes No  (If needed, explain on reverse side)	Town/City: SalinaSyracuse County: Onondaga State: New York  Community: User Difference Wetland ID: Plot ID: Plot ID:		
SOILS			
Series and Phase (best fit): All I Mallot 15 Subgroup: Slope: Slope: Mapped as Depth Horizon Matrix Mottles	Drainage Class: FD - CF D  Carliste Auck Confirm Mapped Type? Yes No  Texture, Structure, Other		
(In.) Color >12* 1078311	sity toansmuch		
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)  Remarks:			
HYDROLOGY  Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil  (in.)	etland Hydrology Indicators:  Primary Indicators		
Remarks:			

Project Code: Delta - Cooper-Crouse Hinds		Plot ID:	11102
Applicant: Cooper-Crouse Hinds		Photo No.:	
VEGETATION			
Dominant Plant Species Stratum Indicator			Stratum Indicator
1. Sally diala T FACE			1
2. alliania believada H FACCE	12.		
3. RANGEMILLIO SIDD. H EACH	13		
4	14		
5	15		
6	16		
7	17		
8			
9			
10			
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Sp OBL or FACW		<u>(07%</u>
Remarks:			
WETLAND DETERMINATION			
Hydrophytic Vegetation Present? (Yes) No	Hydric Soils Present?		Yes No
Wetland Hydrology Present? Yes No	Is this Sampling Poin Within a Wetland?	t	Yes No
Remarks:	UL.		

,	estigator(s): BCR Town/City: SalinaSyracuse County: Onondaga State: New York			
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community:OC			
SOILS				
Series and Phase (best fit): Udorthort 400 Subgroup: Slope: 30/6				
Depth Horizon Matrix Mottles (In.) Color				
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)				
Remarks: steep slope to wetland- edge of Sill				
HYDROLOGY				
	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12"  Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)			
Remarks:	Other (Exprain in Kernarks)			

	23200 2000 00 00 00 00 00 00 00 00 00 00 0		
Project Code: Delta - Cooper-Crouse Hinds		Plot ID: 8	<u> </u>
Applicant: Cooper-Crouse Hinds		Photo No.:	,
VEGETATION			
Dominant Plant Species Stratum Indicate	r Dominant Plant Spec	cies Stratu	ım Indicator
1. auth minings HEDD	<u>/</u> 11		
2. Phrag. nurskylis H From			
3. another minus H. FACU	_ 13		
4	14		
5. ————————————————————————————————————	_ 15		
6	_ 16		
7	_ 17		
8	_ 18		
9	_ 19		
10	_ 20		
Percent of Dominant Species that are OBL, FACW, or FAC	Percent of Dominant Spec OBL or FACW	cies that are	3%
Remarks:			
WETLAND DETERMINATION			
Hydrophytic Vegetation Present? Yes No	Hydric Soils Present?	Ye	s (No)
Wetland Hydrology Present? Yes No	Is this Sampling Point Within a Wetland?	Ye	s (No)
Remarks:			
,			

Project Code: Delta - Cooper-Crouse Hinds Inves	tigator(s): BCR Town/City: SalinaSyracuse County: Onondaga			
Applicant: Cooper-Crouse Hinds Date:	Nov. 14, 2005 State: New York			
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Community: <u>EW/</u> Wetland ID: <u>B</u> Plot ID: <u>B · M W + </u>			
SOILS				
Series and Phase (best fit): Fluvagionis - No Subgroup: Slope:	SCATUSIC WILLS Confirm Mapped Type? (Yes) No			
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other			
712' 10YR 3/1	sityloanymuck.			
Hydric Soil Indicators:  Histisol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low Chroma Colors  Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)  Remarks:				
HYDROLOGY				
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)			
Remarks:				

	-			
Project Code: Delta - Cooper-Cr	ouse Hinds		Plot ID:	3-17-11):4
Applicant: Cooper-Crouse Hinds	S		Photo No.: ,	he we find the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
VEGETATION				
Dominant Plant Species		-		Stratum Indicator
1. Phhagaute : suct				
2. Populus relinius	1	/ 12		
3. Consoner				
4		14		
5		15.	A	
6	-	16		
7		17		
8		18		
9		19	W	
10	a Phobhanna Bala	20.		
Percent of Dominant Species that ar OBL, FACW, or FAC	100%	Percent of Dominant Spe OBL or FACW	ecies that are	100%
Remarks: Salleray	ia, man	This days	· pocks	Ó
_				
			<b></b>	
WETLAND DETERMINATION	1			
WETLAND DETERMINATION  Hydrophytic Vegetation Present?	Ves No	Hydric Soils Present?		Yes No
		Hydric Soils Present?  Is this Sampling Point Within a Wetland?	·	Yes No
Hydrophytic Vegetation Present?	Yes No	Is this Sampling Point	· •	
Hydrophytic Vegetation Present?  Wetland Hydrology Present?	Yes No	Is this Sampling Point	-	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

	Town/City: SalinaSyracuse County: Onondaga State: New York  Community:  Wetland ID: Plot ID:
SOILS	
Series and Phase (best fit): Udorthorth - Iras  Subgroup: Slope: 2%  Depth Horizon Matrix Mottles  (In.) Color	
Histic Epipedon	Concretions High Organic Content in Surface Layer of Sandy Soils
Aquic Moisture Regime Reducing Conditions	Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)
HYDROLOGY	
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil Other  (in.)	Wetland Hydrology Indicators:  Primary Indicators  Inundated Saturated in Upper 12" Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12" Water-stained Leaves Local Soil Survey Data FAC Neutral Test Other (Explain in Remarks)
Remarks:	

Project Code: Delta - Cooper-Cr	ouse Hind	ds		Burn B	-1700
Applicant: Cooper-Crouse Hinds			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Plot ID:	,
Applicant:		و و و و و و و و و و و و و و و و و و و		Photo No.:	1
EGETATION					
Dominant Plant Species		Indicator	•		Stratum Indicator
1. Populus dillerid					
2. Rmn ruo nouth.					
3			13		
4			14		
5			15		
6			16		
7			17	n-	
8		<del></del>	18		
9			19		
10	- ——		20. ———		
Percent of Dominant Species that ar OBL, FACW, or FAC	e <u>5</u> 7	<u>0</u> %.	Percent of Dominant Sp OBL or FACW	ecies that are	<u> 50</u> %
Remarks:					
/ETLAND DETERMINATION	1				
Hydrophytic Vegetation Present?	Yes (N	lo)	Hydric Soils Present?		Yes No
Wetland Hydrology Present?	Yes N	lo'	Is this Sampling Poin Within a Wetland?	ıt	Yes (No)
Remarks: \					

Project Code: Delta - Cooper-Crouse Hinds Investigator(s): BCR  Applicant: Cooper-Crouse Hinds Date: Nov. 14, 2005  Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Town/City: SalinaSyracuse County: Onondaga State: New York  Community: The Additional Community: Plot ID: 1000000000000000000000000000000000000			
SOILS				
Series and Phase (best fit): 100000 as Made Lard Draina  Subgroup: Slope: 106 Confir	mge Class: m Mapped Type? Yes (No)			
Depth Horizon Matrix Mottles (In.) Color  Fluvaguende	Texture, Structure, Other			
Hydric Soil Indicators:  Histisol Concretions Histic Epipedon High Organic Content in Surface Layer of Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Hydric Soil List Reducing Conditions Listed on National Hydric Soil List Gleyed or Low Chroma Colors Other (Explain in Remarks)				
Remarks:				
HYDROLOGY				
Other  No Recorded Data Available  No Recorded Data Available  Field Observations:  Depth of Surface Water  Depth to Free Water  Depth to Saturated Soil  Depth to Saturated Soil  FACE  Wat  Secondary II  Oxi  Depth to Free Water  (in.)  Wat  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE  FACE	licators Indated Turated in Upper 12" Iter Marks			
Remarks:				

	annanaa seranahan sa mengalik nasi mesendan bilan	· · · · · · · · · · · · · · · · · · ·		
Project Code: Delta - Cooper-Cro	ouse Hinds		Plot ID:	-10 wet
Applicant: Cooper-Crouse Hinds			Photo No.: 🕹	16312
VEGETATION				
Dominant Plant Species	Stratum Indicator	Dominant Plant Spe	ecies	Stratum Indicator
1. Phrometic me	6 H FOOL	<i>t</i> 11		
//		12		
3		13		
4		14		
5		15		
6		16		}
7		17		
8.		18		
9		19	and the AM	
10	ter Professional American	20		-
Percent of Dominant Species that are OBL, FACW, or FAC	<u>100</u> %	Percent of Dominant Spo OBL or FACW	ecies that are	100%
Remarks:				
		<del></del>		•
WETLAND DETERMINATION				
Hydrophytic Vegetation Present? (	Yes No	Hydric Soils Present?		Yes No
Wetland Hydrology Present?	Yes No	Is this Sampling Point Within a Wetland?	t	Yes No
Remarks: Start Late		FE G Cons	C W.Y.	Comme

Project Code: Delta - Cooper-Crouse Hinds Investigator(s): BCR  Applicant: Cooper-Crouse Hinds Date: Nov. 14, 2005  Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Town/City: SalinaSyracuse County: Onondaga State: New York  Community: 12 / 1/ / Wetland ID: // / / / Plot ID: 10 U.D
SOILS	
Series and Phase (best fit): LICISTANTES - RRV ROW Drainage Subgroup: Slope: 30% Confirm	
Depth Horizon Matrix Mottles  (In.) Color  Hydric Soil Indicators:  Histisol Concretions Histic Epipedon High Organic Conte Sulfidic Odor Organic Streaking in Aquic Moisture Regime Listed on Hydric So Reducing Conditions Listed on National I	oil List Hydric Soil List
Remarks:	
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil Depth to Saturated Soil FAC	ators dated rated in Upper 12" r Marks
Remarks:	

Project Code: Delta - Cooper-Cr	ouse Hinds		Plot ID:	-101	40_
Applicant: Cooper-Crouse Hind	s		Photo No.: _	19	
/EGETATION					
Dominant Plant Species	Stratum Indicator	Dominant Plant Sp	ecies	Stratum	Indicator
1. anh regueros	T EXW	11			
2. Populus tiller	GI FACOL	12			
3 Rhannuc castras.	ting UPL	13,			
4 allinkia petiola	YOLK BALL	14			
5					į
6		16			
7					
8					ļ
9					
10					
Percent of Dominant Species that as OBL, FACW, or FAC		Percent of Dominant Sp OBL or FACW		50%	ng.
Remarks:		•••			
•					
WETLAND DETERMINATION	<b>1</b>				
Hydrophytic Vegetation Present?	Yes (No	Hydric Soils Present?		Yes	(No)
Wetland Hydrology Present?	Yes No	Is this Sampling Poin Within a Wetland?	t	Yes	(No)
Remarks:					

•	igator(s): BCR Town/City: SalinaSyracuse County: Onondaga State: New York
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)	Wetland ID:
SOILS	
Series and Phase (best fit): Mapper as Lade L	and Drainage Class: PD
Subgroup: Slope: 10/0	Confirm Mapped Type? Yes No
Depth Horizon Matrix Mottles (In.) Color	Texture, Structure, Other
	nin of silty clay much
Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions	Concretions High Organic Content in Surface Layer of Sandy Soils Organic Streaking in Sandy Soils Listed on Hydric Soil List Listed on National Hydric Soil List Other (Explain in Remarks)
Remarks:	
HYDROLOGY	
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil Other  (in.)	Wetland Hydrology Indicators:  Primary Indicators
Remarks:	

(1987 COE Wetlands Delineation Manual)

	wellande
Project Code: Delta - Cooper-Crouse Hinds	Plot ID.C-13 With
Applicant: Cooper-Crouse Hinds	Photo No.:

#### **VEGETATION**

Dominant Plant Species Stra	tum Indicator	Dominant Plant Species	Stratum	Indicator
1. Tupha angustijo ia	H OBL	11.		
2		12		
3		13		·
4		•		
5		15		
6		16		
7				
8		18		
9,		19		
10		20		
Percent of Dominant Species that are OBL, FACW, or FAC	100%	Percent of Dominant Species that are OBL or FACW	100	6 <u>1</u> 0
Remarks: Swhounded	by Phy	agnutes australi.	ý	

#### WETLAND DETERMINATION

Hydrophytic Vegetation Present?	(Yes) No	Hydric Soils Present?	Yes No
Wetland Hydrology Present?	Yes No	Is this Sampling Point Within a Wetland?	¥es No
Remarks:			
	•		

<b>,</b>	tigator(s): BCR Nov. 14, 2005	Town/City: SalinaSyracuse County: Onondaga State: New York
Do normal circumstances exist on the site? Yes No Is the site significantly disturbed? Yes No Is the area a potential Problem Area? Yes No (If needed, explain on reverse side)		Community: St 1/OF  Wetland ID: Community: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Community: St 1/OF  Plot ID: Co
SOILS		
Series and Phase (best fit): Land Whate _ 40	_	ass: WD apped Type? (Yes No
Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions	Organic Streaking in Sa Listed on Hydric Soil L Listed on National Hyd Other (Explain in Rema	ist Iric Soil List
HYDROLOGY	^_5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Recorded Data (Describe in Remarks):  Stream, Lake, or Tide Gauge Aerial Photographs Other  No Recorded Data Available  Field Observations: Depth of Surface Water Depth to Free Water Depth to Saturated Soil Other  (in.)	Water M Drift Lin Sedimen Drainage Secondary Indica Oxidized Water-sta Local So FAC Net	is id id id in Upper 12" arks arks arks tes t Deposits Patterns in Wetlands tors (2 or more required): I Root Channels in Upper 12" ained Leaves oil Survey Data
Remarks:		

(1987 COE Wetlands Delineation Manual)

	以权利自由心
Project Code:Delta - Cooper-Crouse Hinds	Plot IDC-18110
Applicant: Cooper-Crouse Hinds	Photo No.:

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. ailanthucast.	I	FLAUL	1		
2. Salindlana		FMALL	2		
II			3. <u>·</u>		
4. alliania pitinia	<u>1211</u>	FACU	4		· ——
s. Votis hiparia	_\/_	FACUN	15		
,			16		
7			17		
8	-	:	18	· · · · · · · · · · · · · · · · · · ·	
9			19		
10	•	2	20	_	
Percent of Dominant Species that are OBL, FACW, or FAC	40	1 /0	Percent of Dominant Species that are DBL or FACW	40'	<u> Z</u> q
Remarks:					
		•			

#### WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes (No)	Hydric Soils Present?	Yes No
Wetland Hydrology Present?	Yes No	Is this Sampling Point Within a Wetland?	Yes No
Remarks:			
,			

# ATTACHMENT 6 MISCELLANEOUS CORRESPONDENCE



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27 March 2006

Richard A. Mustico, P.E. New York State Department of Environmental Conservation Division of Environmental Remediation Bureau of Central Remedial Action, 12<sup>th</sup> Floor 625 Broadway Albany, New York 12233-7016

Re:

Groundwater Sampling Data - Phenol Results

Crouse-Hinds Facility, Syracuse, NY

Site No. 7-34-049

Delta Project No. 0310025P

Dear Mr. Mustico:

On 22 March 2006, Mr. Michael O'Brien of Cooper Industries, Inc. (Cooper) indicated to Delta Environmental Consultants (Delta) that you had expressed a concern to him with regards to the analytical data for groundwater samples that were collected at the subject site in November 2005. Specifically, there was a concern with the variability in the reported results for total recoverable phenolic compounds between the November 2005 and July 2004 groundwater sampling data. Delta has reviewed the analytical methods, analytical data packages, validation reports, and analytical data and offers the following analysis.

#### Analytical Methodology

Groundwater samples collected during the July 2004 and November 2005 sampling events were analyzed for toxic compound list (TCL) semi-volatile organic compounds (SVOCs) by EPA Method 8270, which is gas chromatography/mass spectrometer methodology that identifies and quantifies individual analytes. Included in the list of analytes detected by the 8270 method are fourteen phenolic compounds including; phenol, 2-chlorophenol, 2-methylphenol, 4-methylphenol, 2-nitrophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 4-chloro-3-methylphenol, 2,4,5-trichlorophenol, 2,4-dimitrophenol, 4-nitrophenol, 4,6-dimitro-2-methylphenol, pentachlorophenol.



27 March 2006 Mr. Richard Mustico Delta Project No. 0310025P Page 2 of 4

Groundwater samples collected during the July 2004 and November 2005 sampling events were also analyzed for total recoverable phenolic compounds by EPA Method 420.1 (July 2004) and EPA Method 420.2 (November 2005). Severn Trent Laboratories (STL) indicated to Delta that both of these methods are similar colorimetric tests that measure the total concentrations of known and unknown substances that have one or more hydroxyl group (-OH) attached to a benzene ring (i.e. phenolics). Each analytical method provides a quantitative result for phenols as a class; however, no specific analyte can be identified or quantified using these colorimetric methods. Therefore, these methods only provide a measure of the total recoverable phenolic compounds in a sample. The 420.1 and 420.2 methods are very similar with the differences being that the 420.1 method is more manually based. Therefore, blank corrects that are utilized during the analysis of samples are also manually based and subject to the laboratory technicians discretion. The 420.2 method is more automated and the blank corrects are done by the instrument and are thus more uniform and not subject to the technicians discretion. STL further indicated that because both analytical methods utilize colorimetric methods to quantify results that minor variations in color between samples can influence the results by biasing high and also potentially result in false positives. STL also indicated that these impacts can be more pronounced in the 420.1 method, which utilizes manual blank correction techniques. Therefore, there is the greater potential for data biased high or false positives to be reported utilizing the 420.1 method versus the 420.2 method.

#### Data Validation

A review of the Data Usability Summary Reports (DUSRs) for the July 2004 and November 2005 groundwater sampling events and the laboratory narratives contained in each ASP Category II data package indicated that the groundwater analytical data was usable and that there were no reported issues associated with the performance of the EPA Method 8270 analyses or the EPA Method 420.1 and 420.2 analyses. Therefore, the data is considered as accurate and reliable.

#### Analytical Data Review

Historic analytical data for groundwater samples collected on the north landfill from shallow monitoring wells MW-4A, MW-1, MW-2, and MW-3 between December 1982 and February 1984 indicated that phenol was detected in these wells at concentrations ranging between 11 ppb and 40 ppb. Phenol was detected most frequently (7 of 9 events) in well MW-4A, which was located offsite and later abandoned during the 2004 PSA. In monitoring wells MW-1 phenol was detected in 2 of 9 monitoring events at concentrations ranging from 20 ppb to 40 ppb. In MW-2, phenol was detected during 2 of 9 monitoring events at concentrations ranging from 20 ppb to 32 ppb. In monitoring well MW-3, phenol was detected in 1 of 9 monitoring events at a concentration of 11 ppb. Note: Analytical results were reported for phenol as an individual compound and not total recoverable phenolic compounds.

Historic analytical data for groundwater samples collected on the north landfill from deep monitoring wells MW-4B, MW-5, MW-6B, MW-7, and MW-8B between December 1982 and

27 March 2006 Mr. Richard Mustico Delta Project No. 0310025P Page 3 of 4

February 1984 indicated that phenol was detected in monitoring wells MW-7 and MW-8B during one monitoring event at concentrations of 27 ppb (MW-7) and 167 ppb (MW-8), respectively. **Note:** Analytical results were reported for <u>phenol</u> as an individual compound and <u>not</u> total recoverable phenolic compounds.

Groundwater analytical data for shallow groundwater samples collected in July 2004 indicated that individual phenolic compounds were not detected in any of the shallow groundwater samples using EPA Method 8270. The analytical data also indicated that total recoverable phenolic compounds were detected in 12 of 20 groundwater samples at concentrations ranging from 10 ppb to 1,360 ppb using EPA Method 420.1. With the exception of one sample (MW-1N @ 1,360 ppb) concentrations of total recoverable phenolic compounds were between 10 ppb and 39 ppb.

Groundwater analytical data for samples collected in November 2005 indicated that one phenolic compound (4-Methylphenol) was detected at a low concentration (1 ppb) in one (MW-12A) shallow groundwater sample using EPA Method 8270. The analytical data also indicated that total recoverable phenolic compounds were detected in one sample (MW-1) of 24 samples at a concentration of 0.017 ppb using EPA Method 420.2.

#### Summary

Groundwater sampling conducted at the site in 1982 through 1984 indicated that phenol had been detected, during two of nine sampling events, in several shallow wells (MW-1, MW-2, and MW-3) located on the north landfill at low concentrations. Phenol was also detected a well MW-4A, which was located offsite and to the north of the north landfill at low concentrations. Subsequent groundwater sampling conducted in July 2004 and November 2005 did not identify the presence of phenol or any other identifiable phenolic compound (based on EPA Method 8270 analysis) in shallow groundwater samples collected at the north and south landfill. Based on the available groundwater data for samples collected from the shallow aquifer at the north landfill there is no evidence of a long term trend of phenol being detected in shallow groundwater samples. There are also no findings indicating that any other identifiable phenolic compound has historically been detected routinely in shallow groundwater samples at the site.

Groundwater samples collected in July 2004 and November 2005 were analyzed for SVOCs as well as total recoverable phenolic compounds. Analytical data from the 2004 sampling event indicated that total recoverable phenolic compounds were detected in 11 shallow groundwater samples at concentrations ranging from 10 ppb to 1,360 ppb. With the exception of one sample (MW-1N @ 1,360 ppb) concentrations of total recoverable phenolic compounds were between 10 ppb and 39 ppb. Groundwater analytical data for samples collected in 2005 indicated that total recoverable phenolic compounds were detected in one shallow groundwater sample (MW-1) at a concentration of 0.017 ppb. A review of the analytical data between the 2004 and 2005 sampling events indicated that there was a noted variability between only the total recoverable phenolics data. As such a review of the analytical methods utilized was conducted to determine

27 March 2006 Mr. Richard Mustico Delta Project No. 0310025P Page 4 of 4

if the source of the variability was method related. Results of this review indicate that the initial analyses conducted in 2004 for total recoverable phenolic compounds utilized a colorimetric method (EPA Method 420.1) that relied on manual blank correction. The 2005 analyses utilized EPA Method 420.2, which also utilized a colorimetric method; however, this method relied on instrument blank corrections. As both methods utilize colorimetric methods for quantifying results, Delta and STL concluded that variations in the reported total recoverable phenolic compound concentrations that were observed between sampling events were likely due to both color variations in the samples and also variations in blank corrections utilized by the two analytical methods. As such it was also determined that the July 2004 groundwater sampling data is more likely to be biased high with regard to reportable concentrations of total phenolic compounds.

#### Recommendations

Cooper and Delta propose to collect on additional sample from monitoring well MW-1 located on the north landfill and to analyze the sample for SVOCs (EPA Method 8270) and total recoverable phenolic compounds (EPA Method 420.2) to determine if the results are more consistent with the 2005 data or the 2004 data.

Please feel free to contact the undersigned at (315) 445-0224 (<u>mschumacher@deltaenv.com</u>) with any questions or if you need additional information.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS

on 1 g 8 ch

Mark J. Schumacher

Project Manager

Attachment

Cc: Mr. Michael O'Brien, Cooper

# ATTACHMENT 7 LEY CREEK SEDIMENT SAMPLING DATA

MIKE - AS WE DISCUSSED IN OUR 11/3/03 CONFERENCE CALL,
ATTACHED ARE THE DEC TRIBUTARY DATA FOR
LEY CREEK.

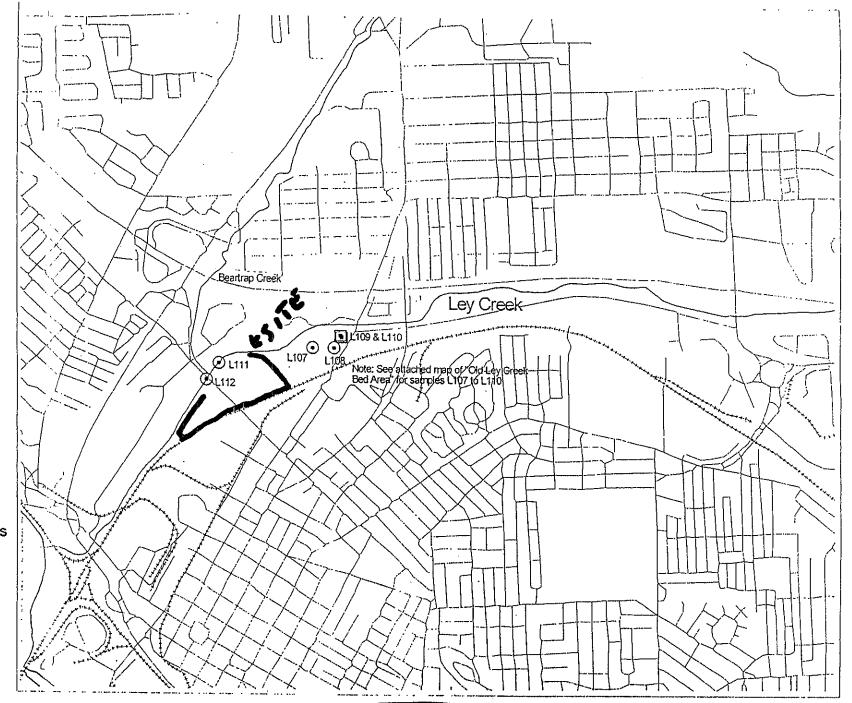
RICK

ENVIRONMENTAL AFFAIRS

NOV 1 4 2003

RECEIVED





- Soil SamplesSediment SamplesRailroad TracksRoads

1000 0 1000 2000 Feet

FALL 1997

Figure 3d: Lower Ley Creek
Second Pound Sampling Locations

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter	Results : E	<b>Units</b> 读
L107	1,2-Dichlorobenzene	440	ug/kg
L107	1,2-Dichloroethene (Total)	8 J	ug/kg
L107	2-Methylnaphthalene	140 J	ug/kg
L107	Acenaphthene	680	ug/kg
L107	Acenaphthylene	600	ug/kg
L107	Acetone	18 J	ug/kg
L107	Anthracene	2200	ug/kg
L107	Aroclor-1248	8000 D	ug/kg
L107	Aroclor-1260	310 J	ug/kg
L107	Benzo(a)anthracene	7200 D	ug/kg
L107	Benzo(a)pyrene	6900 D	ug/kg
L107	Benzo(b)fluoranthene	. 7800 D	. ug/kg
L107	Benzo(g,h,i)perylene	1900	ug/kg
L107	Bis(2-ethylhexyl)phthalate	890	ug/kg
L107	Carbazole	900	ug/kg
L107	Carbon disulfide	2 J	ug/kg
L107	Chrysene	8800 D	ug/kg
L107	Dibenzofuran	440	ug/kg
L107	Ethylbenzene	4 J	ug/kg
L107	Fluoranthene	16000 D	ug/kg
L107	Fluorene	1100	ug/kg
L107	Indeno(1,2,3-cd)pyrene	2100	ug/kg
L107	Naphthalene	140 J	ug/kg
L107	Phenanthrene	8900 D	ug/kg
L107	Pyrene	13000 D	ug/kg
L107	Unknown	230 JN	ug/kg ·
L107	Unknown	40 JN	ug/kg
L107	Unknown	9 JN	ug/kg
L107	Unknown	6 JN	ug/kg
L107	Unknown	270 JN	ug/kg
L107	Unknown	320 JN	ug/kg
L107	Unknown	560 JN	ug/kg
L107	Unknown	330 JN	ug/kg
L107	Unknown	350 JN	ug/kg
_107	Unknown	390 JN	ug/kg
_107	Vinyl chloride	3 J	ug/kg
107	Xylene (Total)	3 j	ug/kg
_108	1,2-Dichlorobenzene	450 J	ug/k <b>g</b>
.108	1,4-Dichlorobenzene	160 J	ug/kg
.108	2-Butanone	78 J	ug/kg
.108	2-Methylnaphthalene	670 J	ug/kg
108	4-Methylphenol	170 J	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter 5	Results	是 Units
L108	Acenaphthene	960 J	ug/kg
L108	Acenaphthylene	2300 J	ug/kg
L108	Acetone	240 J	ug/kg
L108	Anthracene	1900 J	ug/kg .
L108	Aroclor-1016	230000 JD	ug/kg
L108	Aroclor-1260	7400 JD	ug/kg
L108	Benzene	3 J	ug/kg
L108	Benzo(a)anthracene	5300 J	ug/kg
L108	Benzo(a)pyrene	4800 J	ug/kg
L108	Benzo(b)fluoranthene	9200 J	ug/kg
L108	Benzo(g,h,i)perylene	2000 J	ug/kg
L108	Bis(2-ethylhexyl)phthalate	7500 JD	ug/kg
L108	Carbazole	320 J	ug/kg
L108	Carbon disulfide	18 J	ug/kg
L108	Chloromethane	10 J	ug/kg
L108	Chrysene	12000 JD	ug/kg
L108	Dibenz(a,h)anthracene	430 J	ug/kg
L108	Dibenzofuran .	970 J	ug/kg
L108	Fluoranthene	16000 JD	ug/kg
L108	Fluorene	2600 J	ug/kg
L108	Indeno(1,2,3-cd)pyrene	200 <b>0</b> J	ug/kg
L108	Naphthalene .	640 J	ug/kg
L108	Phenanthrene	3300 J	ug/kg
L108	Pyrene	21000 JD	ug/kg
	Unknown	1600 JN	ug/kg
} <del></del>	Unknown	62 JN	ug/kg
	Unknown	48 JN	ug/kg
	Unknown	180 JN	ug/kg
L108	Unknown	1100 JN	ug/kg
L108	Unknown	640 JN	ug/kg
}	Jnknown .	49 JN	ug/kg
	Unknown	48 JN	ug/kg
<del> </del>	Jnknown	79 JN	ug/kg
-	Jnknown	200 JN	ug/kg
<del></del>	Jnknown	560 JN	ug/kg
<del></del>	Jnknown	1300 JN	ug/kg
·	Jnknown	1500 JN	ug/kg
<del></del>	Jnknown	2000 JN	ug/kg
	Jnknown	670 JN	ug/kg
<del> </del>	Jnknown	2600 JN	ug/kg
L108 L	Inknown	150 JN	ug/kg
L108 L	Inknown	1300 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

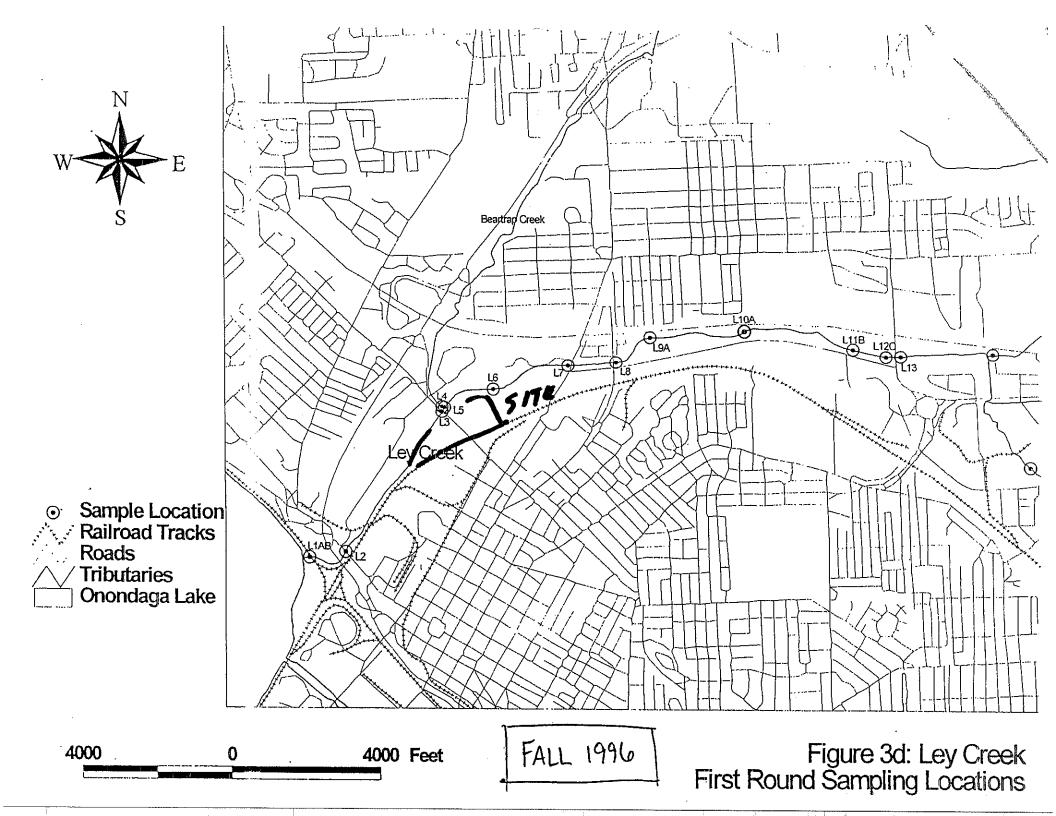
Location	Parameter	Results	是 Units
L108	Unknown	1500 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	950 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Unknown	100 JN	ug/kg
L108	Unknown	66 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Xylene (Total)	31 J	ug/kg
L109	Aroclor-1248	6700 D	ug/kg
L109 .	Aroclor-1260	230 PJ	ug/kg
L110	Aroclor-1248	360000 D	ug/kg
L110	Aroclor-1260	13000 D	ug/kg
L111	2-Butanone	760 J	ug/kg
L111	2-Methylnaphthalene	240 J	ug/kg
L111	4-Chloroaniline	280 J	ug/kg
L111	Acenaphthene	340 J	ug/kg
L111	Acenaphthylene	1600 J	ug/kg
L111	Acetone	870 JD	ug/kg
L111	Anthracene	1200 J	ug/kg
L111	Aroclor-1016	130000 JD	ug/kg
L111	Aroclor-1260	5400 JD	ug/kg
L111	Benzo(a)anthracene	4400 J	ug/kg
L111	Benzo(a)pyrene	5000 J	ug/kg
L111	Benzo(b)fluoranthene	13000 J	ug/kg
L111	Benzo(g,h,i)perylene	1800 J	ug/kg
_111	Bis(2-ethylhexyl)phthalate	4600 J	ug/kg
<del></del>	Carbazole	440 J	ug/kg
_111	Carbon disulfide	16 J	ug/kg
_111	Chrysene	6400 J	ug/kg
_111	Fluoranthene	8400 J	ug/kg
.111	ndeno(1,2,3-cd)pyrene	2000 J	ug/kg
.111	Naphthalene	220 J	ug/kg
.111 F	Phenanthrene	2100 J	ug/kg
.111 F	Pyrene	9500 J	ug/kg
.111 L	Jnknown	5200 JN	ug/kg
	Jnknown	1700 JN	ug/kg
	Inknown	4400 JN	ug/kg
111 L	Inknown	4500 JN	ug/kg
	Inknown	5200 JN	ug/kg
111 U	Inknown	2400 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

事。Location	Parameter	Results	Units
L111	Unknown	3800 JN	ug/kg
L111	Unknown	2400 JN	ug/kg
L111	Unknown	580 JN	ug/kg
L111	Unknown	3100 JN	ug/kg
L111	Unknown .	3800 JN	ug/kg
L112	1,1-Dichloroethane	3 J	ug/kg
L112	1,2-Dichloroethene (Total)	8 J	ug/kg
L112	2-Butanone	24 J	ug/kg
L112	2-Methylnaphthalene	1100	ug/kg
L112	2-Methylphenol	91 J	ug/kg
L112	Acenaphthene	1400	ug/kg
L112	Acenaphthylene	600	ug/kg
L112	Acetone	61 J	ug/kg
L112	Anthracene	3100 J	ug/kg
L112	Aroclor-1016	140 PJ	ug/kg
L112	Aroclor-1254	1000 D	ug/kg
L112	Aroclor-1260	370 P	ug/kg
L112	Benzene	2 J	ug/kg
L112	Benzo(a)anthracene	5200 D	ug/kg
L112	Benzo(a)pyrene	3800 J	ug/kg
L112	Benzo(b)fluoranthene	5200 D	ug/kg
L112	Benzo(g,h,i)perylene	1400 J	ug/kg
L112	Benzo(k)fluoranthene	4300 D	ug/kg
L112	Bis(2-ethylhexyl)phthalate	3600 J	ug/kg
L112	Carbazole	1300 J	ug/kg
L112	Carbon disulfide	4 J	ug/kg
L112	Chrysene	5300 D	ug/kg
L112	Dibenzofuran	870	ug/kg
L112 .	Ethylbenzene	6 J	ug/kg
_112	Fluoranthene	10000 D	ug/kg
_112	Fluorene	1500	ug/kg
	Indeno(1,2,3-cd)pyrene	1400 J	ug/kg
.112	Naphthalene	1400	ug/kg
	Phenanthrene .	10000 JD	ug/kg
	Pyrene	9200 D	ug/kg
.112	Toluene	21	ug/kg
.112	Trichloroethene	2 J	ug/kg
112	Jnknown	840 JN	ug/kg
112	Jnknown	990 JN	ug/kg
112 i	Jnknown	98 JN	ug/kg
112	Jnknown	150 JN ug/k	
112 L	Jnknown	170 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	25 Parameter 2	Results	Units
L112	Unknown	120 JN	ug/kg
L112	Unknown	730 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	410 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Unknown	1200 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	540 JN	ug/kg
L112	Unknown	90 JN	ug/kg
L112	Unknown .	170 JN	ug/kg
L112	Unknown	650 JN	ug/kg
L112	Unknown	140 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	210 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Xylene (Total)	50	ug/kg



1242 -13 2910 1247 -13 1170

ey Creek - All Detections of PCBs

Location	D <sub>a</sub> .		
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19:L3 = 1000 = 1000	Aroclor-1260	260 JENE	ug/kg
13	Araclor 1016	76 PJ	Uolko
• L4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Arecler-1242	84XX	ug/kg
L4	Arodlor 1016 m	38 JP	
[4]	Aroclar-1242	746/X	ug/kg
L4	ATOROF PARE	32J	Avug(kg v
L5 700 200 200 200 200 200 200 200 200 200	Aroclor-1260	1000	ug/kg
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L6	Aroclor-1242	64X7	ug/kg
5 3 3 3 4 5	Arocloref 254 # 8	6300 D	ug/kg
.6	Aroclor-1260	2100,00	ug/kg
/接受學學	Acoclor=1016	640	07/20
7	Aroclor-1242	€5810.X	ug/kg
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1	Aroclor 1016	1130 JD	The Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the Land of the La
}	Aroclor-1242		ug/kg
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	Arocior-1260	19 J	ug/kg
A	Aroclor-1016	(C9)	UF (AFFE)
A	Aroclor-1242	35 J	ug/kg
A James Resident	Arucior-1242	50 X	Cug/kg = 100 process
4	Aroclor=1254	630	ug/kg
- CONTRACTOR OF CASE	Aroclor-1260	470.0	Ug/kg
}	Aroclor-1248		ug/kg
A	Aroclor-1260	1 600 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ug/kg ***********************************
A	Aroclor-1248	140	ug/kg
Banana	Aroclor-1260	220	ug/kg
В	Aroclor 1016	69	ug/kg
	Aroclor-1242	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	a Ug/kg *** gas
}	Arodore 254	720	ug/kg
William Commence	Aroclor-1260	560 J	UOXO
	Aroclorat016	280	ug/kg
	Argaine, 1949	マー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	ug/kg
	Aroclor 1016	21 J	ug/kg
			ug/kg
	Vocioral 2545	520	Ug/kg
	Atocior 1260	50000	ug/kģ
	Vocior 254 purposa	95	ud/kg
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A	rocior 1260	19.1	assessing/kg
A	rocior-1242	·····································	ug/kg
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A	roclor-1260	080	ug/kg
A A	oclor-1242	100	ugkg
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TO THE REAL PROPERTY.	oclor 1260 = ₹	220	ug/kg to the second
Are	Octor-1254	120	ug/kg
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